

# Radio Cassette Player

## Operating instructions

For customers in the United States  
Owner's Record

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

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



WALKMAN is a registered trademark of Sony Corporation.

## WM-FX482ST/FX481/FX281

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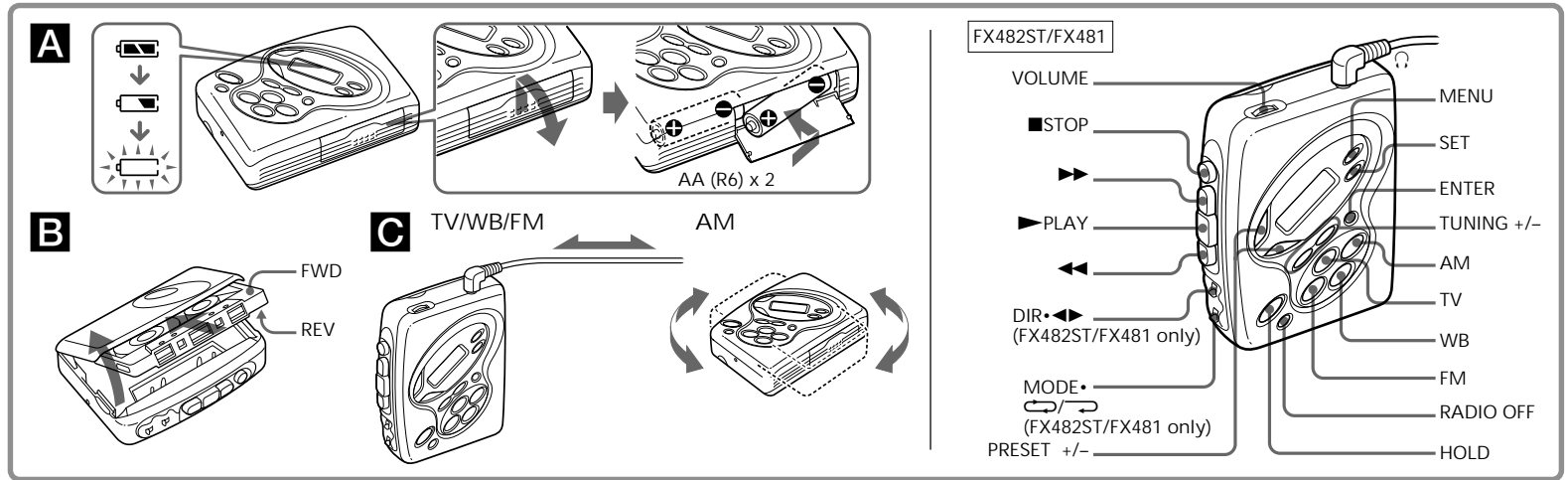
### INFORMATION

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.



## Preparations

To Insert Batteries **A**

- 1 Slide open the battery compartment lid, and insert two size AA (R6) dry batteries with correct polarity.

Replace the batteries with new ones when " " flashes in the display.

## Playing a Tape **B**

- 1 Insert a cassette and 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: High-position (TYPE II) or metal (TYPE IV)

- 2 Press **▶**PLAY.  
Adjust the volume with VOLUME.

To	Press
Stop playback	■STOP
Wind rapidly*	▶▶ or ◀◀

\* If you leave the unit after the tape has been wound or rewound, the batteries will be consumed rapidly. Be sure to press ■STOP.

Note

- Do not open the cassette holder while the tape is running.

To select playback mode (FX482ST/FX481 only)  
Switch MODE to select the desired mode.

To play	Select
Both sides repeatedly	
Both sides once from the side facing the cassette holder (FWD)	

To select the tape direction (FX482ST/FX481 only)  
Switch ◀▶DIR to select the desired direction.

## Using Other Functions

Locking the controls

Set the HOLD switch in the direction of the ▶ mark to lock the controls. The hold function only locks the radio operation buttons, MENU button and SET button.

Emphasizing bass sound

Press MENU repeatedly to set the cursor to MEGA BASS in the display. Then, press SET to turn MB (mega bass) on. With each press, the indications change as follows.

MB (mega bass) : emphasizes bass sound  
No message: off (normal)

Notes

- If the sound is distorted with the mode "MB", turn down the volume or select normal mode.
- Bass emphasis may not show great effect if the volume is turned up too high.

Protecting your hearing—AVLS (Automatic Volume Limiter System)

Press MENU repeatedly to set the cursor to AVLS in the display. Then press SET to show "AVLS". The maximum volume is kept down to protect your ears.

## Listening to the Radio

- 1 If the HOLD function is turned on, set the HOLD switch in the opposite direction of the ▶ mark to unlock the controls. Make sure that the tape has stopped completely.
- 2 Press TV, WB (Weather), FM or AM to select the desired band and to turn on the radio.
- 3 Press TUNING +/- to tune in to the desired station. Hold down TUNING +/- for a few seconds to scan for stations.

To turn off the radio  
Press RADIO OFF.

To improve broadcast reception **C**

- For TV/WB (Weather)/FM: Extend the headphones/earphones cord (antenna). If the reception is still not good, press MENU repeatedly to set the cursor in the display to FM MODE. Then press SET to switch between "LOCAL" and none (DX) for best reception.
- For AM: Reorient the unit itself.

# Presetting Radio Stations

You can preset up to 40 stations (7 for TV, 4 for WB, 24 for FM and 5 for AM).

## Presetting Automatically Scanned Stations

- 1 Press TV, WB (Weather), FM or AM.
- 2 Press ENTER for more than 3 seconds.  
Preset number 1 will flash in the display and the Walkman starts scanning the stations from the lower frequencies and stops for about 3 seconds when a station is received.
- 3 If you wish to preset the received station, press ENTER while the preset number is flashing.  
The received station is preset on preset number 1 and the unit starts scanning for the next receivable station.
- 4 Repeat Step 3 until all receivable stations are preset.

## To stop scanning

Press RADIO OFF. The radio is turned off at the same time.

## Notes

- If stations are already stored, the newly preset stations replace the old ones when the above procedure is completed.
- If stations cannot be preset automatically, preset stations manually.

## Presetting Stations Manually

- 1 Press TV, WB (Weather), FM or AM.
- 2 Press ENTER.  
The frequency digits and a preset number flash in the display.
- 3 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 +/-.
- 4 While the frequency digits and the preset number are flashing, press ENTER.

## 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, press and hold TUNING +/- until " - - - " is displayed and select the preset number you want to cancel using PRESET +/- . Press ENTER while " - - - " is flashing.

## Playing the preset radio stations

- 1 Press TV, WB (Weather), FM or AM.
- 2 Press PRESET +/-.

# Precautions

## On batteries

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

## On handling

- 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 use cassettes longer than 90 minutes except for long continuous playback.
- 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 you start using again.

## On headphones/earphones

### Road safety

Do not use headphones/earphones while driving, cycling, or operating any 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.

## Preventing hearing damage

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.

## 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.

## On maintenance

- To clean the tape head and path, use the cleaning cassette CHK-1W/C-1KW (not supplied) every 10 hours of use. Use only the recommended cleaning cassette.
- To clean the exterior, use a soft cloth slightly moistened in water. Do not use alcohol, benzine or thinner.
- Clean the headphones/earphones plugs periodically.

# Troubleshooting

The display shows incorrect information.

- The batteries are weak. Replace the batteries with new ones.

The display and the operation are not normal.

- Remove the batteries for 30 seconds or more, and then insert them again. If this does not solve the problem, remove the batteries and leave the unit without batteries for 30 minutes or more, and then insert them again. In this case, preset the stations again, since the preset stations are erased from the memory.

## Specifications

- Frequency range  
TV: 2 - 13 ch  
FM: 87.5 - 108 MHz  
WB (Weather): 1 - 7 ch  
AM: 530 - 1 710 kHz
- Power requirements  
3V DC batteries AA (R6) x 2
- Dimensions (w/h/d)  
Approx. 91.2 x 114.8 x 35.5 mm (3 5/8 x 4 5/8 x 1 1/16 inches) excl. projecting parts and controls
- Mass  
FX482ST/FX481: Approx. 150 g (5.3 oz) (main unit only)  
FX281: Approx. 145 g (5.2 oz) (main unit only)
- Supplied accessories  
Stereo headphones or Stereo earphones (1)  
Carrying case with belt clip(1)

Design and specifications are subject to change without notice.

If you have any questions about this product, you may call:  
Sony Direct Response Center 1-(800)-222-7669  
or write to:  
Sony Direct Response Center 12451 Gateway Blvd. Fort Myers, FL 33913

## Declaration of Conformity

Trade Name: SONY  
Model No.: WM-FX481/FX281  
Responsible Party: Sony Electronics Inc.  
Address: 680 Kinderkamack Road, Oradell, NJ 07649 USA  
Telephone No.: 201-930-6972

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.

	Battery life (approximate hours) (JEITA*)	
	Sony alkaline LR6 (SG)**	Sony R6P (SR)
Tape playback	32	9
Radio reception	40	14

\* Measured value by the standard of JEITA (Japan Electronics and Information Technology Industries Association). (Using a Sony HF series cassette tape)

\*\*When using Sony LR6(SG) "STAMINA" alkaline dry batteries (produced in Japan).

## Note

- The battery life may be shorter depending on the operating condition, the surrounding temperature and battery type.

This warranty is valid only in the United States.

**SONY**

## LIMITED WARRANTY

Portable Audio

Sony Electronics Inc. ("Sony") warrants this Product (including any accessories) against defects in material or workmanship as follows:

1. **LABOR:** For a period of 90 days from the date of purchase, if this Product is determined to be defective, Sony will repair or replace the Product, at its option, at no charge, or pay the labor charges to any Sony authorized service facility. After the Warranty Period, you must pay for all labor charges.

2. **PARTS:** In addition, Sony will supply, at no charge, new or rebuilt replacements in exchange for defective parts for a period of one (1) year, after 90 days from the date of purchase, labor for removal and installation is available from Sony authorized service facilities or a Sony Service Center at your expense.

To obtain warranty service, you must take the Product, or deliver the Product freight prepaid, in either its original packaging or packaging affording an equal degree of protection, to any authorized Sony service facility.

This warranty does not cover customer instruction, installation, set up adjustments or signal reception problems.

This warranty does not cover cosmetic damage or damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or modification of, or to any part of the Product, including the antenna. This warranty does not cover damage due to improper operation or maintenance, connection to improper voltage supply, or attempted repair by anyone other than a facility authorized by Sony to service the Product. This warranty does not cover Products sold AS IS or WITH ALL FAULTS, or consumables (such as fuses or batteries). This warranty is valid only in the United States.

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 invalid if the factory applied serial number has been altered or removed from 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 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 have other rights which vary from state to state.

For your convenience, Sony Electronics Inc. has established telephone numbers for frequently asked questions:

To locate the servicer or dealer nearest you, or for service assistance or resolution of a service problem, or for product information or operation, call:

Sony Direct Response Center  
1-(800)-222-7669  
or write to:  
Sony Direct Response Center  
12451 Gateway Blvd.  
Fort Myers, FL 33913

For an accessory or part not available from your authorized dealer, call:

1-(800)-488-SONY (7669)

<http://www.world.sony.com/>