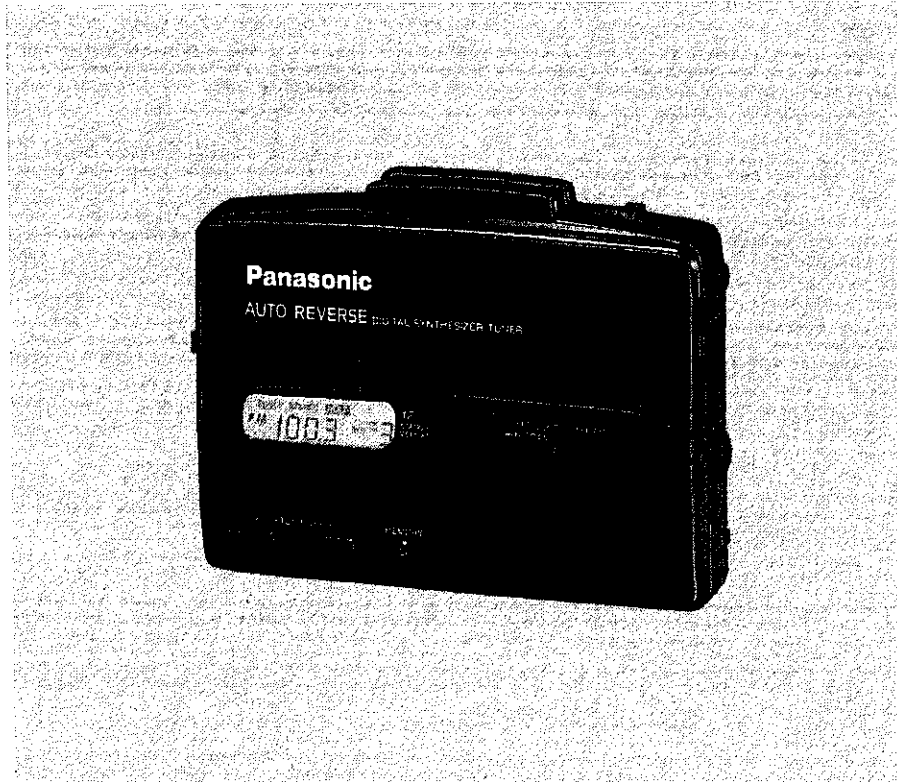


# Panasonic

## Stereo Radio Cassette Player

MODEL NO. RQ-V185

### Operating Instructions

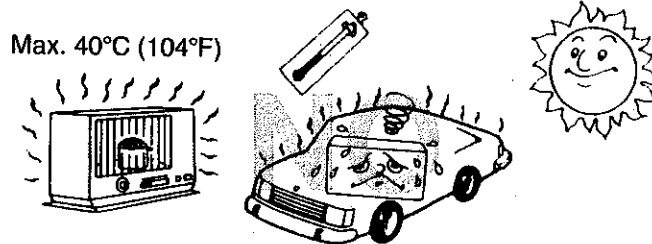


Before operating this unit, please read these instructions completely.

**Thank you for purchasing this unit.**  
**For optimum performance and safety, please read these instructions carefully.**

## Precautions

Avoid using or placing this unit near sources of heat. Do not leave it in an automobile exposed to direct sunlight for a long period of time with the doors and windows closed, as this may deform the cabinet. When not in use, disconnect the AC adaptor from the AC power outlet.



### Precautions for listening with the headphones

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Do not play your headset at a high volume. Hearing experts advise against continuous extended play.

If you experience a ringing in your ears, reduce volume or end use.

Do not use while operating a motorized vehicle. It may create a traffic hazard and is illegal in many areas.

You should use extreme caution or temporarily drop use in potentially hazardous situations.

Even if your headset is an open-air type designed to let you hear outside sounds, don't turn up the volume so high that you can't hear what's around you.

# Preparations

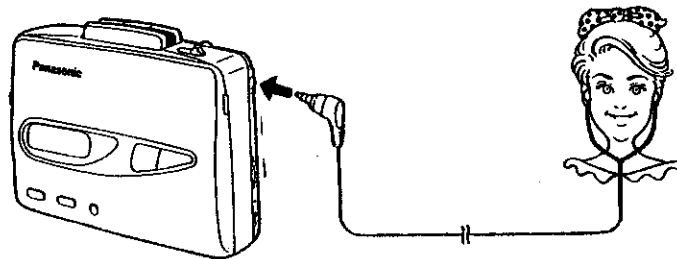
## Supplied accessories

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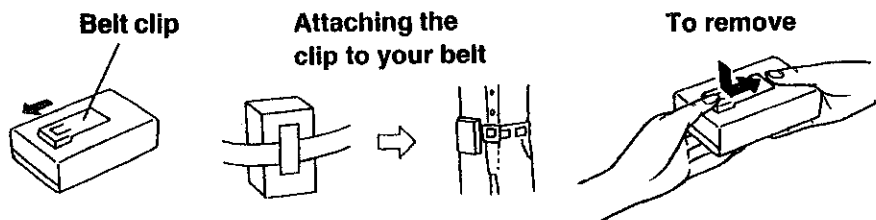
Stereo headphones

Belt clip

### Connecting the headphones



### Belt clip



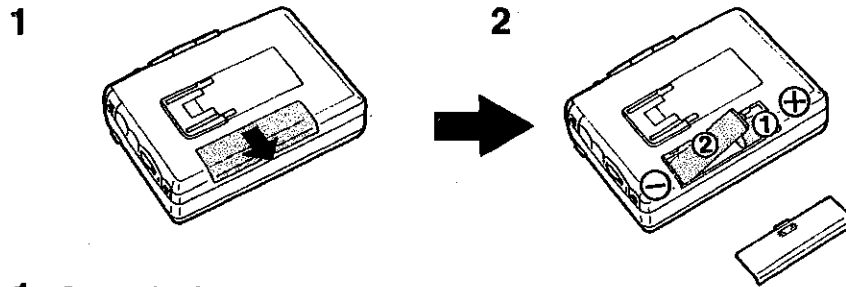
# Preparations (continued)

## Battery operation

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### Battery installation

Install the 2 UM-3 batteries (Panasonic R6/LR6 or equivalent, not included) as shown in the figure.



**1** Open the battery compartment cover.

**2** Insert 2 UM-3 (Panasonic R6/LR6 or equivalent) batteries.

### To prevent possible damage to this unit

Load new batteries with their polarities ( $\oplus$  and  $\ominus$ ) aligned correctly.

Do not apply heat to batteries, or internal short-circuit may occur.

If this unit is not to be used for a long period of time, or used on AC power source, remove all batteries and store them in a cool and dry place.

Remove used batteries immediately.

Do not use old and new batteries together. Also never use an alkaline battery with a manganese battery.

### Battery removal

Press the  $\oplus$  side toward the  $\ominus$  battery terminal and lift up.

### Battery life

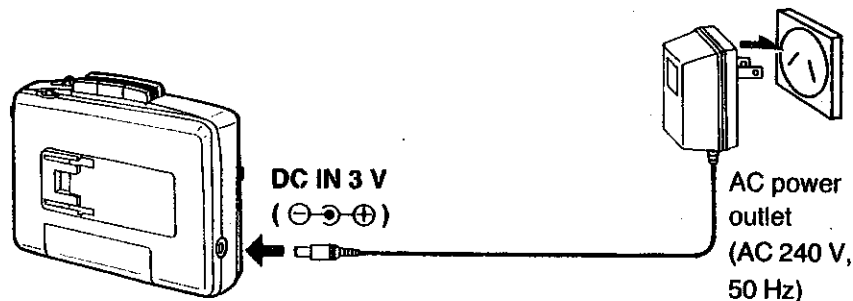
When the batteries are weak, the OPR/BATT (operation/battery check) indicator will become dim or turn off during operation, and this unit will turn off to protect the memorized contents.

When the power is turned off soon after increasing the volume, pressing the operation buttons or turning on the radio, replace the batteries, replace them within 30 seconds. (If not, memorized contents will be cancelled.)

## AC power operation

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Use only Panasonic AC adaptor RP-AC33 (optional).



Connect the AC adaptor as shown in the figure. To operate on battery power, unplug the AC adaptor unit from the household AC power outlet and the DC input jack on the unit.

If you leave the AC adaptor unit from the AC power outlet, the memorized contents for radio will be cleared.

When the OPR/BATT indicator become dim or turn off and you wish to use the AC adaptor, be sure to connect the AC adaptor before removing the spent batteries.

## Hold switch

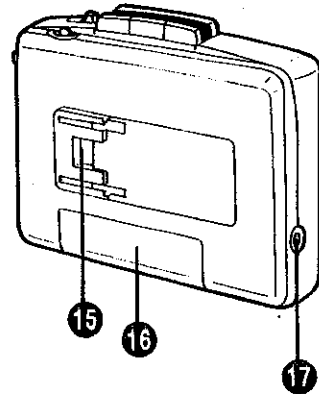
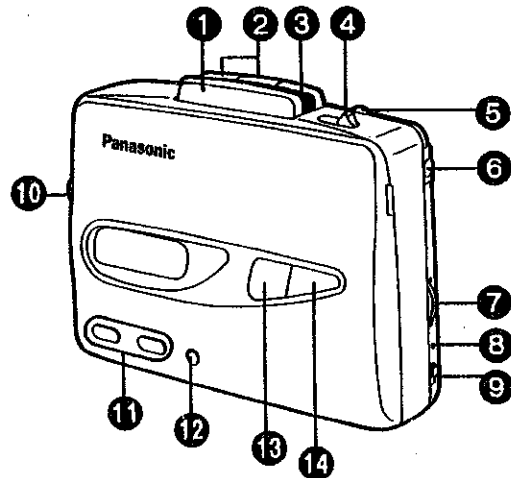
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Setting the hold switch to "HOLD" position will hold the present condition, and reject the operation of the front panel buttons. This is useful to prevent unexpected operation. (The hold indicator will appear on the display.) Before operating the front panel button, be sure to release the hold condition. (The hold indicator will disappear.)

# Location of Controls

## Control section

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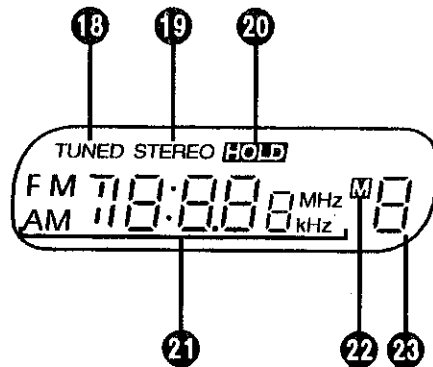


- ① Playback button (PLAY)
- ② Fast buttons (FAST)
- ③ Stop button (STOP)
- ④ Direction selector (DIR)
- ⑤ Function selector (SELECTOR)
- ⑥ Headphones jack ( $\Omega$ )
- ⑦ Volume control (VOLUME)
- ⑧ Operation/battery check indicator (OPR/BATT)
- ⑨ FM mode/tape selector (FM MODE/TAPE)
- ⑩ Hold switch (HOLD)
- ⑪ Tuning buttons (TUNING +, -)

- ⑫ Memory button (MEMORY)
- ⑬ Memory select/memory scan button (•M. SELECT/–M. SCAN)
- ⑭ Band select button (FM/AM)
- ⑮ Belt clip receptacle
- ⑯ Battery compartment cover
- ⑰ DC input jack (DC IN 3 V ⊖ ⊕)

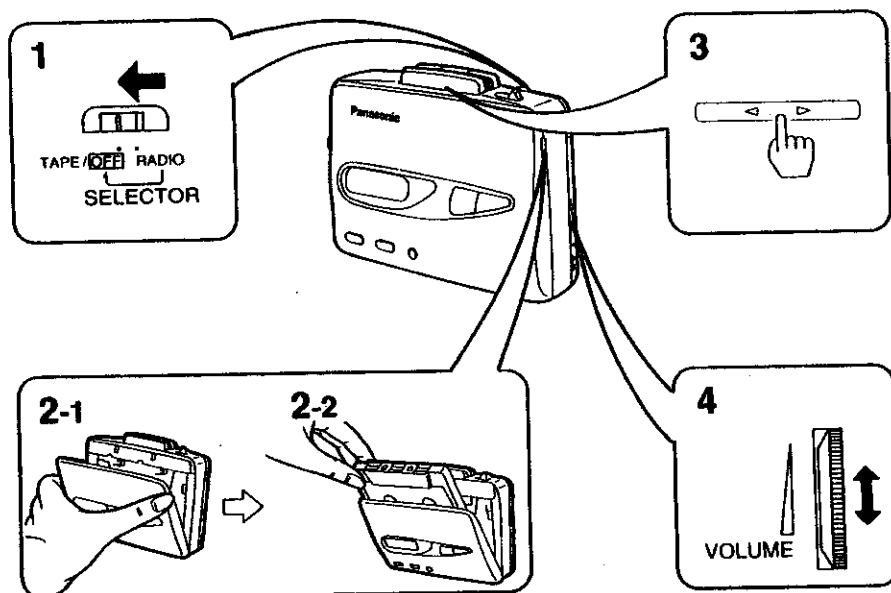
## Display section

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- ⑱ Tuning indicator (TUNED)
- ⑲ Stereo indicator (STEREO)
- ⑳ Hold indicator ( [HOLD] )
- ㉑ Multi indicator
- ㉒ Memory indicator ( [M] )
- ㉓ Memory channel indicator

## Listening to Tapes



- 1** Set the function selector to "TAPE/ **OFF**".
- 2** Open the cassette compartment cover with your hand. Insert a cassette as shown in the figure, and then close the cover.
- 3** Press the playback button to begin the tape playback.  
The OPR/BATT indicator will illuminate.
- 4** Adjust the volume using the volume control.

**To stop the playback, press the stop button.**

Do not open the cassette compartment cover during playback.

If you set the function selector to "RADIO" during playback, the playback button will not be released although the motor has stopped. Press the stop button to release the playback button.



## Auto reverse

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During playback when the tape comes to the end of its travel, the tape direction changes automatically to start playing the opposite side of the tape.

The cassette tape will run continuously, changing from forward to reverse, then back again, etc., until the stop button is pressed.

## Manual reverse

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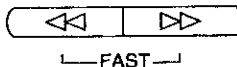
Select the playback side, forward or reverse, by setting the direction selector to "FWD" (forward) or "REV" (reverse).



## Fast forward and rewind

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The tape will rapidly advance in the forward or reverse when one of the fast buttons is pressed.



### Notes:

Do not press the playback button during fast forward or rewind, as this may jam the tape. Always press the stop button first, between functions.

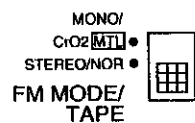
When the tape reaches the end after pressing one of the fast buttons, the automatic stop system does not function.

The tape will stop, but as the motor continues to turn, do not leave the set in this condition. Be sure to press the stop button.

## Listening to Tapes (continued)

### Tape selector

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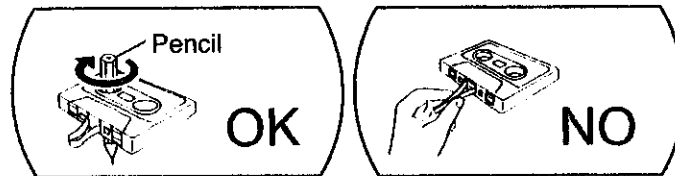
Set the selector to the appropriate position according to the type of tape being used.

CrO<sub>2</sub> **MTL**: Metal tape/High bias chromium tape or equivalent

NOR: Low bias ferric oxide tape

## About Cassette Tapes

Cassettes, both recorded and unrecorded, should not be stored in locations with high temperature, high humidity or direct sunlight. Never place a recorded cassette near a magnetic source, such as a magnet or a TV set as this may affect tape performance.



If the tape loosens, take up the slack by turning the reel in the proper directions.

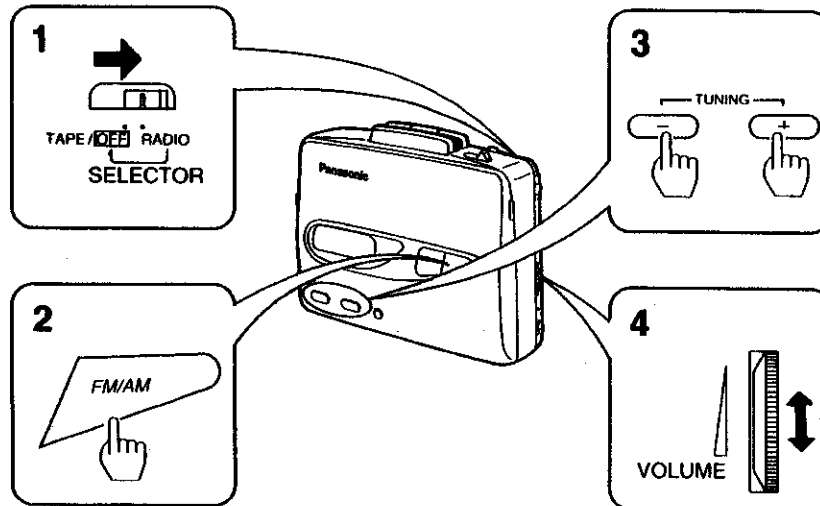
Do not handle, or pull the tape out of the cassette.

### **Cassette tapes exceeding 90 minutes**

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These tapes are handy for their long playback and recording time but be careful about repeatedly stopping and starting, rewinding and fast forwarding these tapes in short intervals as they are thin, tend to stretch and may become entangled in the machine.

# Listening to Radio Broadcasts



**Preparation: Release the hold state.**

- 1 Set the function selector to "RADIO".**  
The OPR/BATT indicator will illuminate and the frequency display will appear.
- 2 Press the band select button to select the desired radio band (FM or AM).**
- 3 Press the "+" or "-" button to tune in your favorite station.**  
The frequency display will change. (AM step by 9 kHz, FM step by 0.05 MHz.)

## **Auto tuning**

Hold either of the tuning buttons for more than 0.5 second, then release it. The changing of the frequency display will stop when the broadcasting station is received automatically.

- +...for up tuning
- ...for down tuning

When receiving the FM stereo broadcasts, the stereo indicator will appear.

When you listen to the FM broadcast, set the FM mode selector to the proper position.

#### 4 Adjust the volume using the volume control.

To turn off the radio, set the function selector to "TAPE/  OFF".

### To obtain good reception \_\_\_\_\_

#### Antennas

##### FM:

The headphones/cord serves as the FM antenna, hence be sure to use it extended, not coiled.

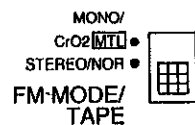
##### AM:

The built-in ferrite core AM antenna is directional. It may be necessary to turn the unit to obtain optimum reception.

#### Note:

Be sure to have the set in a horizontal position when you listen to AM broadcasts. If you use the radio in an upright position, it may not function adequately.

#### FM mode selector

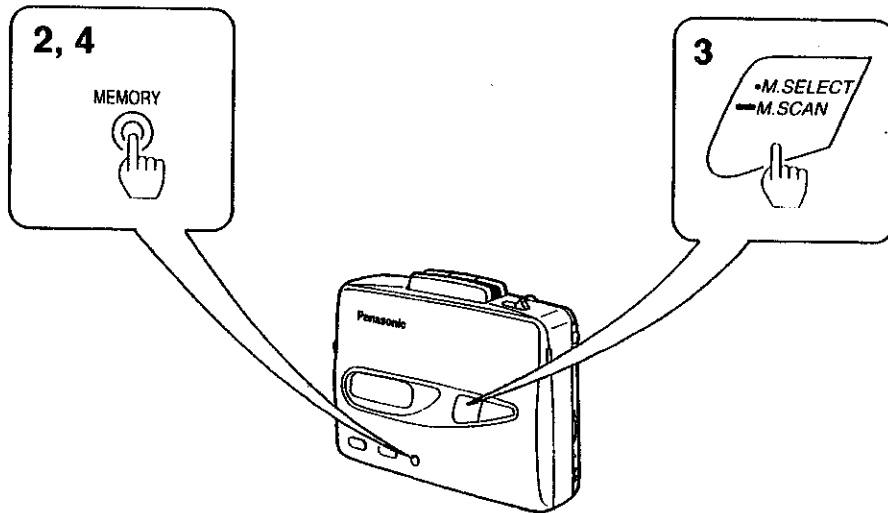


To receive FM stereo broadcasts, set the FM mode selector to "STEREO". If reception is poor (excessive noise), set to "MONO". This will reduce the noise and provide clear reception, however, the broadcast will not be heard in stereo.

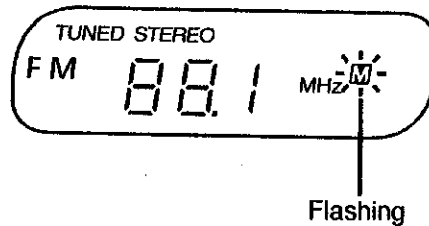
# Listening to Radio (continued)

## How to memorize the broadcasting station \_\_\_\_\_

12 stations can be memorized (6-FM and 6-AM stations).



- 1 Receive the station to be memorized.
- 2 Press the memory button.  
The memory indicator will flash on and off for 10 seconds.



- 3 During flashing (for 10 seconds), press the memory select button to select the memory channel (1–6) to be memorized.**  
The memory channel number will appear and each time the memory select button is pressed, the memory channel number will change from 1 to 6 and turn.
- 4 Press the memory button to enter the memory.**  
(Three beeps will be emitted.)  
The memory indicator will light.

The previous memory will be cleared when the new memory is entered into the same memory channel.

## **How to tune in the memorized station** \_\_\_\_\_

**Preparation: Release the hold state.**

**Set the function selector to "RADIO".**

- 1 Select the desired radio band using the band select button.**
- 2 Press the memory select button until the desired memory channel number appears.**
- 3 Adjust the volume using the volume control.**

## Listening to Radio (continued)

### Memory scan ---

Once the stations have been preset into the memory buttons for channels 1 through 6, the programs of each of those stations can be heard for several seconds in turn simply by pressing the memory scan button. This function comes in handy for checking out what kind of broadcasts are now being beamed by the memory channels (1~6).

**1 Press the memory select/scan button more than 1 second.**

The channel will illuminate and change in order 1→2→3→4→5→6→1 to each broadcasting for about a few seconds.

**2 When your desired memory channel is displayed, press the memory scan button once again.**

### Last station recall ---

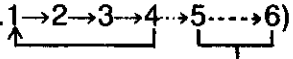
This memory functions when the radio is off. When the radio is turned on, the frequency received before it was turned off is tuned in again.



## How to clear the unnecessary memory channels

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You can clear the unnecessary memory channels for your convenience.

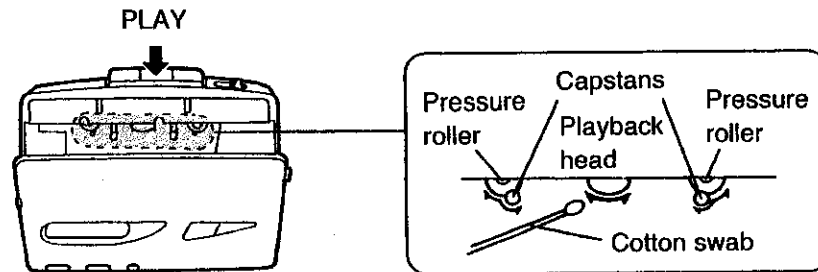
(EX. 1→2→3→4→5→6)  
  
cleared

- 1 Turn on the radio and recall the memory channel to be cleared.**
- 2 Press the memory button.**  
The memory indicator will flash on and off for 10 seconds.
- 3 While the memory indicator flashes on and off, press both of the tuning buttons (+ and -) at one time.**  
The frequency display will disappear and “—” will appear instead.
- 4 Press the memory button.**

The cleared channels can be reset to a new station by performing the memorization procedure above.

# Maintenance

The head assembly, capstans, and pressure rollers are in constant contact with the tape. If these parts are dirty, the sound quality will be impaired. Periodically, clean these parts as shown below.



- 1 Open the cassette compartment cover.**
- 2 Press the playback button. The playback head, capstans and pressure rollers can be seen. Clean them with a cotton swab.**

If the head assembly is extremely dirty, clean it with a cotton swab dampened with a little alcohol.

The use of cleaning tapes is not recommended, as some are abrasive and may cause premature wear of the heads. Simply, clean the head assembly as described.

Do not clean the plastic cabinet with benzine or thinner. Clean it with a cloth, dampened in a mild solution of soap and water. Avoid excessive moisture.

Avoid spray-type insecticides. Some insecticides contain chemicals that could cause cabinet deformation.

# Technical Specifications

Radio frequency range:	FM; 87.5–108 MHz AM; 522–1611 kHz
Power requirement:	Battery; 3 V [2 UM-3, (R6/LR6) batteries] AC; with optional Panasonic AC-adaptor RP-AC33
Power output:	30 mW (15 mW×2)...RMS (max.)
Frequency range:	40–14000 Hz (Normal, CrO <sub>2</sub> /Metal)
Tape speed:	4.8 cm/s
Jacks:	
Input;	DC IN; 3 V
Output;	HEADPHONES
Dimensions: (W×H×D)	122×88×36.2 mm
Weight:	245 g without batteries

Design and specifications are subject to change without notice.  
Weight and dimensions are approximate.