

# Radio Cassette Player

## Operating Instructions

### 使用說明書 (反面)



## WM-FX488

Sony Corporation © 2002

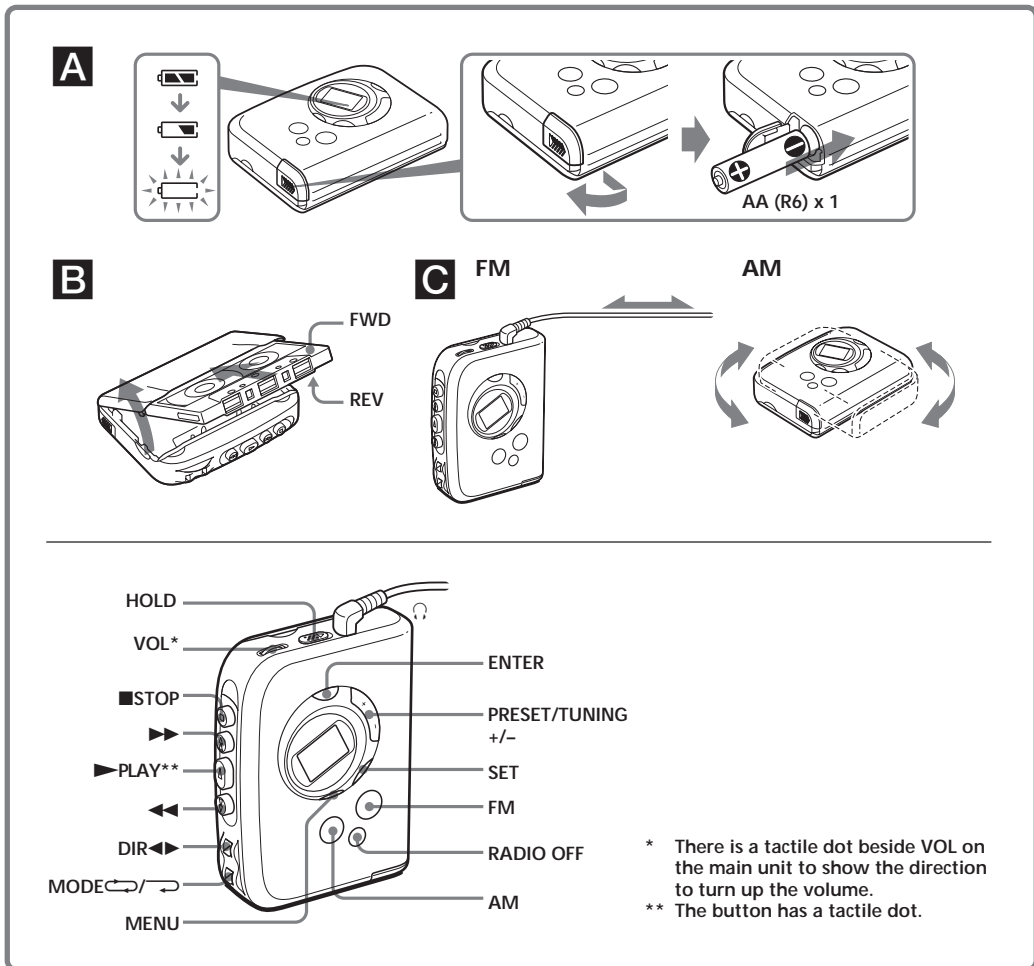
The validity of the CE marking is restricted to only those countries where it is legally enforced, mainly in the countries EEA (European Economic Area).

CE標誌的有效性，僅限於那些有法律限制的國家，主要在 EEA (歐洲經濟區) 國家。

http://www.sony.net/

"WALKMAN" is a registered trademark of Sony Corporation.

"WALKMAN" is a trademark of Sony Corporation.



\* There is a tactile dot beside VOL on the main unit to show the direction to turn up the volume.  
\*\* The button has a tactile dot.

English

## Preparations

### To Insert Battery **A**

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

Replace the battery with new one when " " flashes in the display.

## Playing a Tape

- Insert a cassette. **B**
- Press **▶PLAY**.  
Adjust the volume with VOL.

To	Press
Stop playback	<b>■STOP</b>
Wind rapidly*	<b>▶▶</b> or <b>◀◀</b>

\* If you leave the unit after the tape has been wound or rewind, the battery 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**  
Switch MODE to select the desired mode.

To play	Select
Both sides repeatedly	<b>↔</b>
Both sides once from the side facing the cassette holder (FWD)	<b>↶</b>

**To select the tape direction**  
Switch DIR $\blacktriangleleft$  to select the desired direction.

## Listening to the Radio

- If the HOLD function is turned on, set the HOLD switch in the opposite direction of the  $\blacktriangleright$  mark to unlock the controls. Make sure that the tape has stopped completely.
- Press FM or AM to select the desired band and to turn on the radio.
- Press PRESET/TUNING +/- to tune in to the desired station.  
If the signal is strong, you can scan for stations. Press MENU repeatedly to set the cursor in the display to TUNE MODE and press SET to display "MANUAL". Then hold down PRESET/TUNING +/- for a few seconds.

**To turn off the radio**  
Press RADIO OFF.

**To improve broadcast reception **C****

- For 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), or "MONO" and none (stereo) for best reception.
- For AM: Reorient the unit itself.

## Presetting Radio Stations

You can preset up to 40 stations.  
For Canada and Central/South America: 30 for FM and 10 for AM.  
For other countries: 35 for FM and 5 for AM.

### Presetting Automatically Scanned Stations

- Press FM or AM.

- Press and hold 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 4 seconds when a station is received.
- If you wish to preset the currently 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.
- 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 them manually.

### Presetting Stations Manually

- Press FM or AM.  
The frequency digits will flash in the display.
- Press ENTER.  
The first available preset number will flash in the display.
- While the frequency digits are flashing, tune in to a station you wish to store using PRESET/TUNING +/- and press ENTER.  
The first available preset number will flash in the display.
- While the preset number is flashing, select the preset number you want using PRESET/TUNING +/- and press ENTER.

**Notes**

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

### Playing the preset radio stations

- Press FM or AM.
- Press MENU repeatedly to set the cursor in the display to TUNE MODE. Then press SET to display "PRESET".
- Press PRESET/TUNING +/-.

**To cancel a stored station**

- Follow the procedure above and in step 3, select the station you want to cancel and then press ENTER. The frequency digits will flash in the display.
- Press and hold PRESET/TUNING +/- until "----" is displayed. Press ENTER while "----" is flashing. A preset number will flash in the display.
- Press PRESET/TUNING +/- repeatedly to select the preset number you want to cancel and press ENTER.

### Scanning the preset radio stations — DAPS (Digital Auto Preset Scanning)

- Press FM or AM to select the desired band and to turn on the radio.  
The preset stations of the selected band will be played for about 5 seconds each. (During DAPS the indicators in the display flash.)
- Press and hold FM or AM pressed in step 1 for 2 seconds or more.  
The preset stations of the selected band will be played for about 5 seconds each. (During DAPS the indicators in the display flash.)
- Press FM or AM again to select the station while the desired preset station is being played.

**Notes**

- If there are no stations stored, the DAPS function does not work.
- Until a station is selected in step 3, the DAPS function turned on in step 2 will continue.
- In step 2 or 3, if you select a band which you did not select in step 1 by pressing FM or AM, the newly selected band will be played normally.

## Using Other Functions

### Locking the controls

Set the HOLD switch in the direction of the  $\blacktriangleright$  mark to lock the controls.  
The HOLD function only locks the radio operation buttons, MENU button, SET button, PRESET/TUNING +/- button and ENTER button.

### Emphasizing bass sound

Press MENU repeatedly to set the cursor to MB (mega bass) in the display. Then, press SET to turn MB 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 " " . The maximum volume is kept down to protect your ears.

## 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 battery 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.
- We do not recommend the use of tape longer than 90 minutes. They are very thin and tend to be stretched easily. This may cause malfunction of the unit or sound deterioration.
- 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 it 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 the 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

- Clean the tape head and tape path using a cotton swab and commercially available cleaning solvent after every 10 hours of use.
- 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.

## Specifications

- Frequency range  
FM: 87.5 - 108 MHz  
AM: 530 - 1 710 kHz (North, Central and South America)  
531 - 1 602 kHz (Other countries)
- Power requirements  
1.5V DC, battery R6 (size AA) x 1
- Dimensions (w/h/d)  
Approx. 83.6 x 112.0 x 28.3 mm (3 3/8 x 4 1/2 x 1 1/8 inches) excl. projecting parts and controls
- Mass  
Approx. 138 g (4.9 oz) (main unit only)
- Supplied accessories  
Stereo headphones or Stereo earphones (1)  
Carrying case with belt clip or Carrying pouch (1)

Design and specifications are subject to change without notice.


Battery life* (approximate hours)	Sony alkaline LR6 (SG)** Sony R6P (SR)	
	35	9
Tape playback	35	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 a Sony LR6(SG) "STAMINA" alkaline dry battery (produced in Japan).

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

## 準備

### 插入電池 **A**

- 滑開電池室蓋，按正確極性插入一節 R6（AA，3號）乾電池。  
當顯示窗上“”起閃爍時，即請更換新電池。

## 播放磁帶

### 1 插入磁帶 **B**

- 按 **▶** PLAY。
- 用VOL鈕調節音量。

要	請按
停止播放	<b>■</b> STOP
快繞*	<b>▶▶</b> 或 <b>◀◀</b>



\* 如果磁帶已捲帶或繞回後仍不停掉本機，電池將很快耗盡。一定請按 **■** STOP。

### 註

- 磁帶在運行中不要打開磁帶座。

### 選擇播放模式

切換MODE開關選擇所要的模式。

要播放	請選擇
雙面反覆播放	
從朝磁帶座的一面開始雙面播放一次 (FWD)	

### 選擇磁帶方向

切換DIR **◀▶** 以選擇所要的方向。

## 收聽無線電廣播

- 如果HOLD功能打開著，即請將HOLD開關沿相反於 **▷** 標誌的方向滑動以解開控制鈕。確認磁帶已完全停止。
- 按FM或AM以選擇所要的波段並打開收音機。
- 按PRESET/TUNING +/- 以調入所要的電臺。信號夠強時，可以掃描電台。請反復按MENU把顯示器中的光標設定於TUNE MODE，按SET使顯示“MANUAL”，然後按住PRESET/TUNING +/- 數秒。

### 要關掉收音機時

請按RADIO OFF。

### 改善廣播接收狀況 **C**

- 對於FM：伸長頭戴耳機 / 耳機線（天線）。如果接收依然不良，請反復按MENU將顯示窗中游標設定於FM MODE。然後按SET以選擇“LOCAL”或無（DX），或“MONO（單聲道）”或無（立體聲）中最佳的接收。
- 對於AM：重新定向本機。

## 預設電臺

您可以預設多達40個電臺。  
加拿大和中 / 南美洲：FM 30個臺，AM 10個臺。  
其他國家：FM 35個臺，AM 5個臺。

### 自動地預設掃描的電臺

- 按FM或AM。
- 按ENTER 3秒鐘以上。  
預設號1將在顯示窗上閃爍。Walkman開始從低頻段掃描電臺，在接收到電臺時停止約4秒鐘。
- 如果您要預設接收到的電臺，請在預設號閃爍著時按ENTER。  
接收到的電臺即被預設於預設號1，本機將開始掃描下一個可接收的電臺。
- 重複步驟3直至所有可接收電台均被預設。

### 停止掃描

按RADIO OFF，收音機將同時關掉電源。

### 註

- 如果已預設了電臺，當完成上述步驟時，新預設的電臺將取代原有的電臺。
- 如果電臺不能自動預設，請用手動預設電臺。

### 手動預設電臺

- 按FM或AM。
- 按ENTER。  
顯示窗中即閃爍著頻率數字和預設號。
- 當頻率數字和預設號閃爍時，請用PRESET/TUNING +/- 鈕調入您想儲存的電臺，按ENTER。  
顯示窗中即將閃爍著第一個能用的預設號。
- 當頻率數字和預設號閃爍著時，請用PRESET/TUNING +/- 選擇所要預設號並按ENTER。

### 註

- 如果上述指示閃爍時您不能完成步驟3或步驟4，請從步驟2開始重複操作。
- 如果已儲存有電臺，新電臺即將取代原有的電臺。

### 播放預設電臺

- 按FM或AM。
- 反復按MENU，將顯示器中的光標設定於TUNE MODE。然後按SET以顯示“PRESET”。

### 3 按PRESET/TUNING +/-。

### 要取消所儲存的電臺時

- 按照上述方法而在步驟3裡選擇所要取消的電臺，然後按ENTER。顯示窗中即閃爍著頻率數。
- 按住PRESET/TUNING +/- 至顯示了“----”。在閃爍著“----”當中按ENTER。顯示窗中即閃爍著預設號。
- 反復按PRESET/TUNING +/- 以選擇所要取消的預設號並按ENTER。

### 掃描預設電臺 DAPS (Digital Auto Preset Scanning)

- 按FM或AM以選擇所要波段並打開收音機。
- 按住步驟1中按的FM或AM兩秒或以上。  
所選波段的預設電臺即各播放大約5秒。（在DAPS當中，顯示窗中將閃爍著指示燈。）
- 當播放著所要預設電臺時，再按一次FM或AM以選擇電臺。

### 註

- 如果沒儲存電臺，DAPS功能將不起作用。
- 步驟2裡的DAPS功能將繼續打開著一直到在步驟3裡已選擇了電臺為止。
- 在步驟2或3裡，您如果選擇了步驟1中並沒有利用按FM或AM選擇過的波段，新選波段即將以正常模式播放。

## 使用其他功能

### 鎖定控制鈕

將HOLD開關設於 **▷** 標誌方向以鎖定控制鈕。  
HOLD功能僅鎖定收音機操作鈕、MENU鈕、SET鈕、PRESET/TUNING +/- 鈕和ENTER按鈕。


### 加重低音聲

反復按MENU鈕在顯示窗中將光標設於MB（強低音）。然後按SET鈕打開MB。每按一次，指示改變如下。  
MB（強低音）：加重低音聲  
無信息：關掉（正常）

### 註

- 如果聲音因“MB”模式而失真，請調低音量或選擇正常模式。
- 如果音量調得太高，低音加重可能沒有很大效果。

### 保護您的聽覺 AVLS（自動音量限制系統）

反復按MENU鈕在顯示窗中將光標設於AVLS，然後按SET鈕顯示“”。  
最大音量被降低以保護您的耳朵。

## 使用前須注意

### 電池須知

- 乾電池不要同錢幣或其他金屬物件放在一起。如果金屬物件偶爾接觸電池的正極與負極，就會發熱。
- 如果Walkman長期不用，請取出電池以免本機因電池漏液、腐蝕而受損。

### 管理須知

- 不要將本機放在靠近熱源或受陽光直射、多塵、多沙、潮濕、雨淋、機械振動的地方，也不要留在車窗關閉的車內。
- 請不要使用90分鐘以上長度的盒帶，這些盒帶很薄，容易被拉伸。這可能導致本機故障或音質變差。
- 本機在高溫（40 以上）或低溫（0 以下）條件下使用，液晶顯示窗很難看清楚或者顯示速度放慢。在室溫下，顯示窗恢復到正常操作狀況。
- 如果本機已長期不用，在重新開始使用前，請將其設於播放模式預熱幾分鐘。

### 頭戴耳機 / 耳機須知

#### 路上安全

駕車、騎自行車或駕駛任何摩托車輛時不要使用頭戴耳機 / 耳機，這可能導致交通事故且在有些地區是違法的。走路特別穿越人行橫道時用頭戴耳機 / 耳機大音量播放也是有潛在危險的。在有潛在危險的場合應格外小心，或者停止使用本機。

### 防止聽力受損

不要大音量使用頭戴耳機 / 耳機。聽力專家反對持續、大聲和不斷的播放。如果您感覺耳鳴，請降低音量或停止使用。

### 關心他人

音量保持中等水準。這樣您便能聽到外面的聲音，也可不騷擾周圍的人。

### 維修須知

- 每使用了10個小時，即請用棉棒和市售清潔液清潔一下磁頭和磁帶通道。
- 請用軟布輕蘸溫清水擦拭機器外殼。切勿使用酒精，汽油或稀硫酸。
- 請定期地清潔頭戴耳機 / 耳機和遙控器的插頭。

## 規格

- 頻率範圍  
FM: 87.5-108MHz  
AM: 530-1710kHz（北美、中美和南美）  
531-1602kHz（其他國家）
- 電源  
1.5V DC，電池R6（AA，3號）×1個
- 尺寸（寬 / 高 / 縱深）  
大約83.6 × 112.0 × 28.3mm  
不包括凸出部分和控制鈕
- 質量  
大約138g（主機為限）
- 隨機附件  
立體聲頭戴耳機或立體聲耳機（1）  
有皮帶扣的便攜盒或攜帶軟袋（1）

設計和規格有所變更時，恕不另行通知。

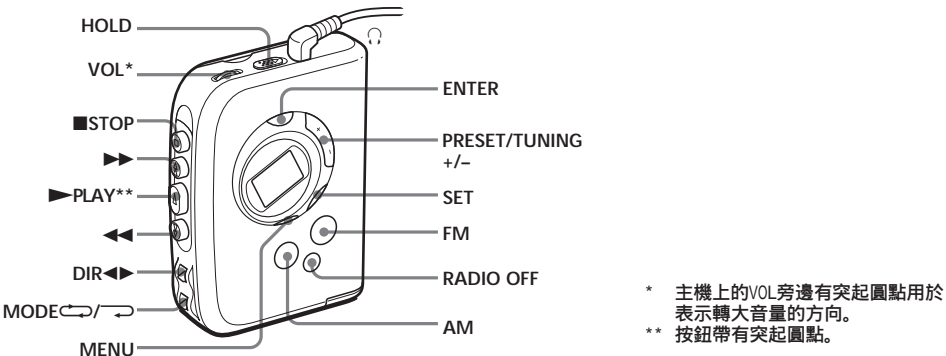
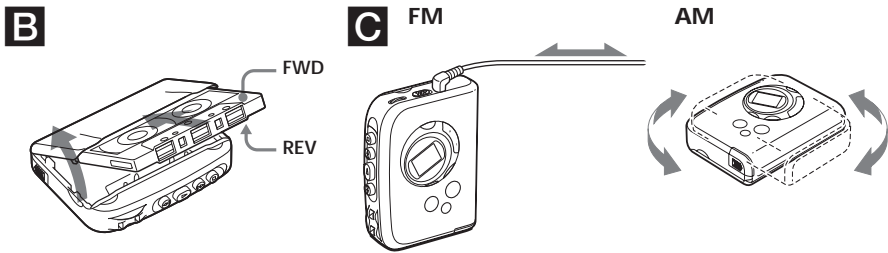
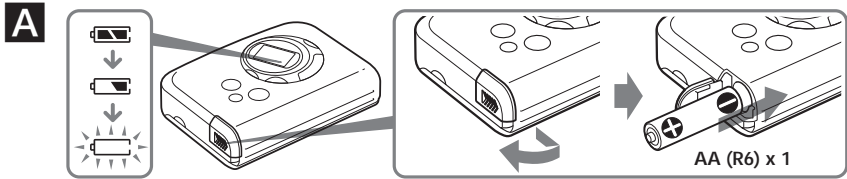
電池使用時間*（大約小時數）	Sony鹼性電池LR6(SG)**	Sony R6P(SR)
磁帶播放	35	9
收音機接收	40	14

\* JEITA (Japan Electronics and Information Technology Industries Association) 標準的測定值。（使用Sony HF系列盒帶）

\*\* 使用Sony LR6(SG) “STAMINA” 鹼性乾電池（日本生產）時。

### 註

- 隨操作狀況、周圍溫度和電池類型不同，電池使用時間可能有所縮短。



\* 主機上的VOL旁邊有突起圓點用於表示轉大音量的方向。  
\*\* 按鈕帶有突起圓點。

