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# Cassette Player

## Operating instructions

使用說明書 (反面)

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## WM-EX615/EX610

Sony Corporation ©2000 Printed in Malaysia

### For the customers in the United States

#### Owner's Record

The model number is located at the front and the serial number is located inside the tape holder. Record these numbers in the spaces provided below. Refer to them whenever you call upon your Sony dealer regarding this product.  
Model No. \_\_\_\_\_  
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

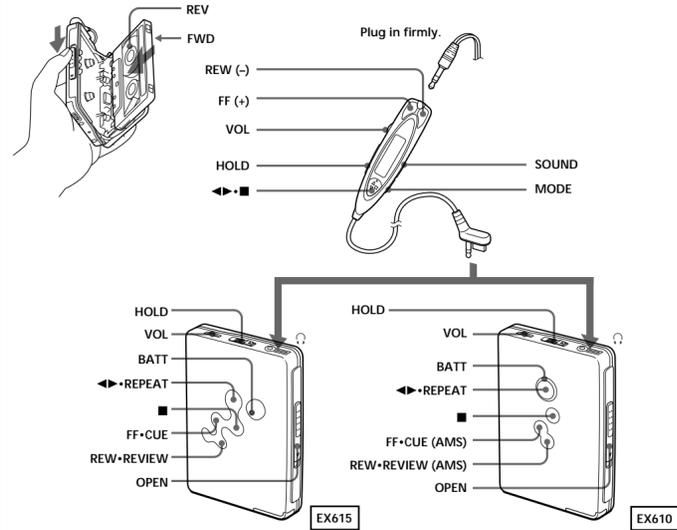
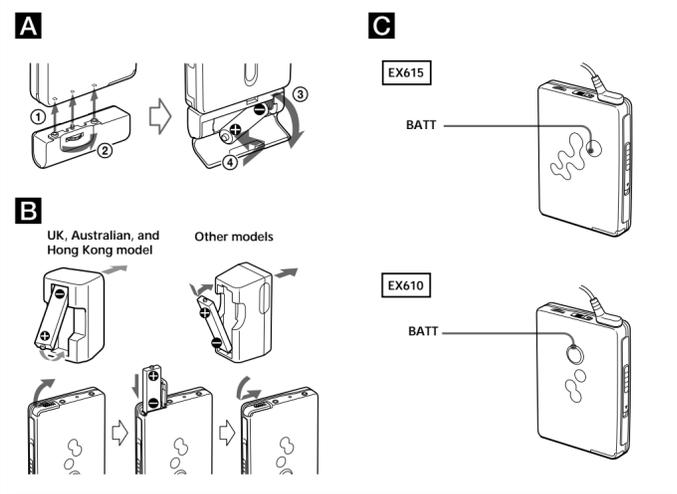
guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following 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.

### This warranty is valid only in the United States.

本保証限在美國有效。

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### Specifications

#### Frequency response (Dolby NR off)

Playback: 30 - 18 000 Hz

#### Output

Headphones (□) jack

Load impedance 8 - 300 Ω

#### Power requirements

1.5 V

Rechargeable battery

One R6 (size AA) battery

#### Dimensions (w/h/d)

Approx. 77.1 × 108.6 × 20.6 mm (3 1/4 × 4 3/8 × 1/4 inches)

#### Mass

Approx. 160 g (5.7 oz)

#### Supplied accessories

- Battery case (1)
- Stereo headphones or earphones with remote control (1)
- Battery charger (1)
- Rechargeable battery (NC-6WM, 1.2 V, 600 mAh, Ni-Cd) (1)
- Carrying pouch (1)
- Rechargeable battery carrying case (1)
- AC plug adaptor (1)  
(Except for U.S.A., Canada, European, Saudi Arabian, Chinese, Australian, Korean, and Hong Kong model)

Design and specifications are subject to change without notice.

#### Battery life (Approx. hours) (in playback) (EIAJ)\*

Rechargeable NC-6WM fully charged	16
Sony alkaline LR6 (SG)**	44
Rechargeable NC-6WM	60
Sony alkaline LR6 (SG) used together	

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

\*\*When using a Sony LR6(SG) Sony "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.

English

## WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

## Preparations

Prepare a dry battery (not supplied) or the rechargeable battery (supplied).

### Dry Battery

Attach the supplied battery case, and then insert one R6 (size AA) battery with correct polarity.

#### Note

- For maximum performance we recommend that you use a Sony alkaline battery.

### Rechargeable Battery

- 1 Insert the supplied rechargeable battery (NC-6WM) into the charger with correct polarity.
- 2 Plug in the charger to the house current (mains).  
**UK, Australian, and Hong Kong model:** Full charging takes about 3.5 hours.  
**"Sony World Model":** Full charging takes about 1 hour.

If the plug does not fit your mains, attach the supplied AC plug adaptor.

**U.S.A., Canada, European Continent and Saudi Arabian model:** Full charging takes about 2.5 hours.

**Korean model:** The full charging time depends on the voltage of your mains.

110 V: 10 hours

220 V: 2.5 hours

**Other models:** The full charging time depends on the voltage of your mains.

120 V: 10 hours

220 - 240V: 2.5 hours

If the plug does not fit to your mains, attach the supplied AC plug adaptor (excluding Chinese model).

- 3 Insert the fully charged battery into the rechargeable battery compartment.

You can charge the battery about 300 times.

### When to replace/charge the battery

Replace or charge the battery when "□" flashes in the display on the remote control and the BATT lamp on the main unit goes out.

#### Note

- After the battery is replaced, the setting of the SOUND and MODE buttons will be erased.

## Playing a Tape

- 1 Insert a cassette and if the HOLD switch is on, slide the HOLD switch in the opposite direction of the arrow to unlock the controls.
- 2 Press ◀▶(play) •■(stop) on the remote control and adjust the volume with VOL. (On the main unit, press ◀▶•REPEAT.)

### When adjusting the volume on the main unit

Set the VOL control on the remote control at maximum.

### When adjusting the volume on the remote control

Set the VOL control on the main unit to around 6.

### Operation on the remote control

To	Press
Switch playback to the other side	◀▶•■ for more than a second during playback
Stop playback	◀▶•■ once during playback
Fast forward*	FF during stop
Rewind*	REW during stop
Repeat the current track (Repeat Single Track function)	◀▶•■ twice during playback <i>To stop a single repeat, press ◀▶•■ once</i>

### Operation on the main unit

To	Press
Switch playback to the other side	◀▶•REPEAT during playback
Stop playback	■
Fast forward*	FF•CUE during stop
Rewind*	REW•REVIEW during stop
Repeat the current track (Repeat Single Track function)	◀▶•REPEAT for 2 seconds or more during playback <i>To stop a single repeat, press it again.</i>

\* If ◀▶•■ on the remote control is pressed during fast forward or rewind, the Walkman switches to playback.

### Other tape operations

Use the FF/REW buttons on the remote control, or FF•CUE (AMS)/REW•REVIEW(AMS) on the main unit.

To	Press
Fast forward while listening to the sound (CUE)	Press and hold FF during playback and release it at the point you want.

Rewind while listening to the sound (REVIEW) Press and hold REW during playback and release it at the point you want.

Play the next track/succeeding 9 tracks from the beginning (AMS\*) FF once/repeatedly during playback

Play the current track/previous 8 tracks from the beginning (AMS\*) REW once/repeatedly during playback

Play the other side from the beginning (Skip Reverse function) FF for 2 seconds or more during stop

Play the same side from the beginning (Rewind Auto Play function) REW for 2 seconds or more during stop

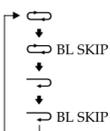
\* Automatic Music Sensor

## Using Other Functions

### Adjusting Playback Mode

You can adjust the playback direction mode (↔ or →) as well as the BL SKIP mode (on or off).

- 1 Press MODE repeatedly. With each press the indications change as follows:



- When "BL SKIP" is displayed, the tape is fast-forwarded to the next track if there is a blank space of longer than 12 seconds. You will hear repeated sets of three short beeps when skipping a blank.
- When "↔" is displayed, both sides of the tape is played repeatedly.
- When "→" is displayed, both sides of the tape is played once (if you start from R (REV) side, only REV side will be played).

#### Note

- You cannot adjust the playback mode during fast-forward or rewind.

### Playing a Tape Recorded with the Dolby\* B NR System

Hold down SOUND until "□" appears in the display.

To cancel Dolby B NR, hold down SOUND again until "□" disappears.

\* Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

#### Note

- You cannot turn on/off the Dolby B NR function during fast-forward or rewind.

### Emphasizing Sound

- 1 Press SOUND repeatedly. With each press, the indications change as follows:  
RV (Sound Revitalizer): emphasizes treble sound  
MB (Mega Bass): emphasizes bass sound (moderate effect)  
GRV (Groove): emphasizes bass sound (strong effect)  
none: normal (no effect)

#### Notes

- If the sound is distorted with the mode "GRV", turn down the volume of the main unit or select other modes.
- You cannot change the mode during fast-forward or rewind.

### Protecting Your Hearing — AVLS (Automatic Volume Limiter System)

Hold down MODE until "AVLS" appears in the display. To cancel the AVLS function, hold down MODE again until "AVLS" disappears.

#### Note

- You cannot turn on/off the AVLS function during fast-forward or rewind.

### Locking the Controls — HOLD Function

Slide the HOLD switch in the direction of the arrow to lock the controls of the Walkman or the remote control.

## Precautions

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

#### RECYCLING NICKEL-CADMIUM BATTERIES

Nickel-Cadmium batteries are recyclable. You can help preserve our environment by returning your unwanted batteries to your nearest point for collection, recycling or proper disposal.  
**Note:** In some areas the disposal of nickel-cadmium batteries in household or business trash may be prohibited.



RBC (Rechargeable Battery Recycling Corporation) advises you about spent battery collection by the following phone number. Call toll free number: 1-800-822-8837 (United States and Canada only)  
**Caution:** Do not handle damaged or leaking nickel-cadmium batteries.

### On rechargeable battery and charger

- Remove the charger unit from the wall outlet as soon as possible after the rechargeable battery has been charged. Overcharging may damage the rechargeable battery.
- The battery charger and the rechargeable battery may become warm during charging, but this is not a problem.
- Do not tear off the film on the rechargeable battery.
- Use only the supplied battery charger to charge the supplied rechargeable battery.
- Be sure not to short-circuit the battery. When you carry it with you, use the supplied carrying case. If you are not using the case, do not carry the battery with other metallic objects such as keys rings in your pocket.
- If the rechargeable battery is new or has not been used for a long time, it may not be charged completely until you use it several times.
- The nameplate indicating the operating voltage, power consumption, etc. is located on the bottom exterior of the battery charger.

### On batteries

- Do not charge a dry battery.
- Do not carry the dry or rechargeable 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 do not use the Walkman for a long time, remove the battery to avoid any damage caused by battery leakage and subsequent 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.
- 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.
- Do not use cassettes longer than 90 minutes except for long continuous playback.
- If the unit has not been used for long, set it in the playback mode to warm up for a few minutes before you start using again.

### On the remote control

Use the supplied remote control only with this unit.

### 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 to 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 (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 and remote control plugs and battery case terminals (both inside and outside) periodically.