

Radio Cassette-Corder

Operating instructions/使用说明书



WM-GX788

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WARNING

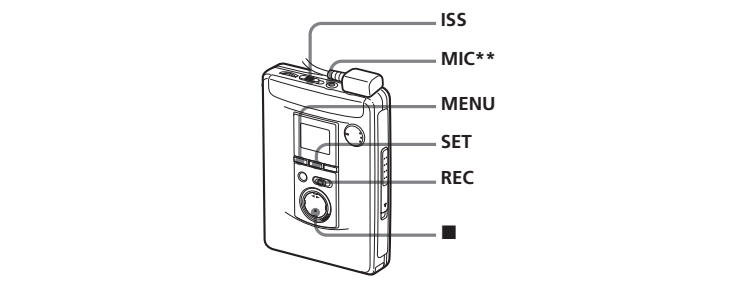
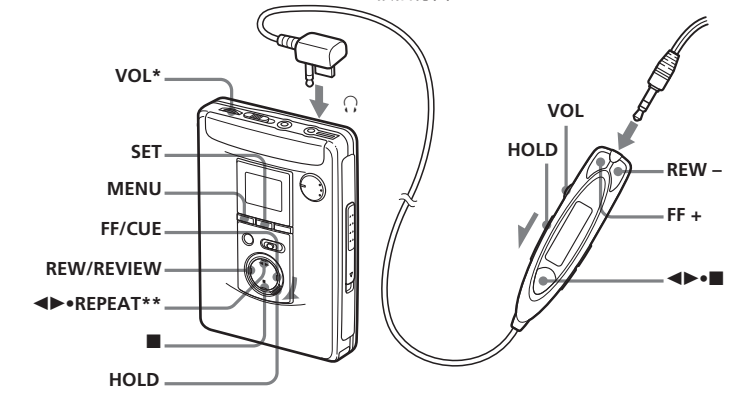
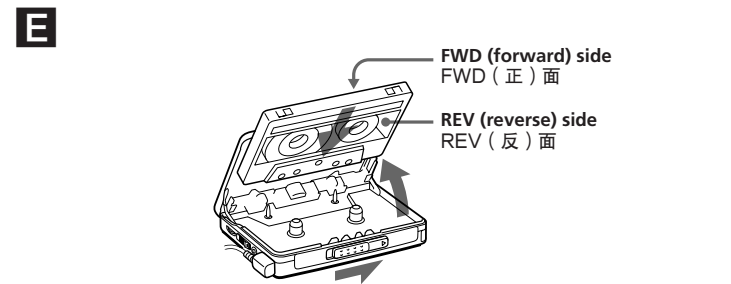
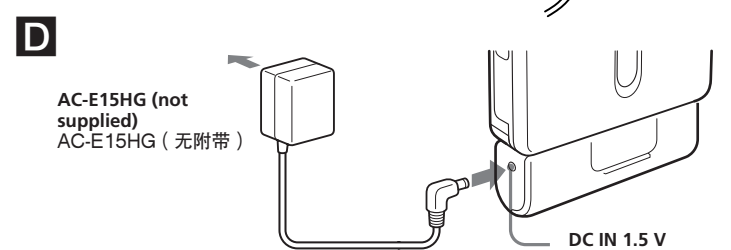
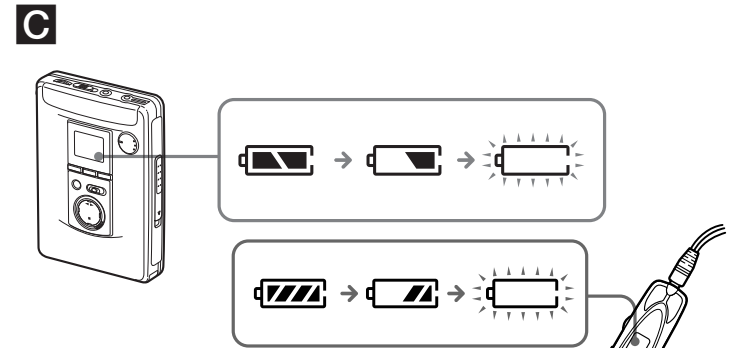
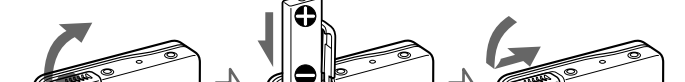
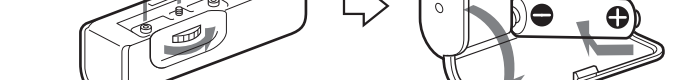
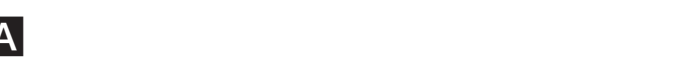
To prevent fire or shock hazard, do not expose the unit to rain or moisture.

Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.

警告

为防火灾或触电危险，切勿让机器暴露于雨中或潮湿处。

别把机器安装在例如书橱或壁柜等密闭不通风的地方。



- There is a tactile dot beside VOL on the main unit to show the direction to turn up the volume.
- The button or jack has a tactile dot.
- 在主机上 VOL 旁边有一个触感圆点，表示转大音量的方向。
- 按钮或插孔有触感圆点。

English

Note
Tapes recorded with setting to "2x" cannot be played properly on a cassette player/tape recorder without this function.

- To prevent fire, do not cover the ventilation of the apparatus with newspapers, table-cloths, curtains, etc. And don't place lighted candles on the apparatus.
- To prevent fire or shock hazard, do not place objects filled with liquids, such as vases, on the apparatus.
- Certain countries may regulate disposal of the battery used to power this product. Please consult with your local authority.

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.

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

Rechargeable Battery

Charge the rechargeable battery before using it for the first time.

- 1 Insert the supplied rechargeable battery NH-14WM (A) into the rechargeable battery compartment with correct polarity.

- 2 Connect the supplied AC power adaptor to the charging stand, plug in the AC power adaptor to the house current (mains).

- 3 Place the main unit on the charging stand. The CHG lamp will light up. Full charging takes about 6 hours. The CHG lamp will go off when the battery is fully charged.

Note

Do not use the unit while charging. Remove the unit from the charging stand when using it.

- If you operate the unit while charging, the battery will not be charged.
- If you operate the unit while charging, it may cause malfunction.
- Do not place the unit on the charging stand without the rechargeable battery. Otherwise, it may cause malfunction.

When to replace/charge the battery
Replace or charge the battery when " " flashes in the display.

Battery life* (Approx. hours)	
Sony alkaline LR6 (SG)**	
Tape playback	44
Radio reception	56
MIC recording	15
Radio recording	12

Rechargeable battery NH-14WM (A)	
Tape playback	26
Radio reception	34
MIC recording	9
Radio recording	7

Sony alkaline LR6 (SG)** and Rechargeable NH-14WM (A)	
Tape playback	70
Radio reception	90
MIC recording	24
Radio recording	19

* 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(SC) "STAMINA" alkaline dry battery (produced in Japan).

Notes

- The battery life may be shorter depending on the operating condition, the surrounding temperature and battery type.
- The AVLS setting (see "Using the Menu") will be cancelled when you replace the battery.

House Current

You must purchase an AC power adaptor AC-E15HG to operate this unit using house current.

Remove the rechargeable battery if inserted. Attach the battery case and connect the AC power adaptor AC-E15HG (not supplied) to the DC IN 1.5 V jack of the battery case and to the wall outlet. Do not use any other AC power adaptor. Specifications for AC-E15HG vary for each area. Check your local voltage and the polarity of the plug before purchasing.

Playing a Tape

- 1 Insert a cassette and if the HOLD function is on, slide the HOLD switch in the opposite direction of the arrow to unlock the controls.

- 2 Press MENU repeatedly to set " " (the cursor) in the display to REC/PB. Then press SET to select "2x" or none (normal speed) which is the same position as that used for recording. To playback commercially available music tape, etc., select normal (no indication).

- 3 Press ◀▶•REPEAT on the main unit and adjust the volume with VOL. (On the remote control, press ◀▶•(play)•■(stop).)

When adjusting the volume on the remote control
Set the VOL control on the main unit to around 6.

When adjusting the volume on the main unit
Set the VOL control on the remote control at maximum.

Operation on the remote control

To	Press
Switch playback to the other side	◀▶•■ for 2 seconds or more during playback
Stop playback	◀▶•■ once during playback

Operation on the main unit

To	Press
Switch playback to the other side	◀▶•REPEAT during playback
Stop playback	■ (stop)

Other tape operations

To	Press
Fast forward*	FF/CUE (FF + on the remote control) during stop
Rewind*	REW/REVIEW (REW – on the remote control) during stop

Search forward during playback (CUE)
Press and hold FF/CUE (FF + on the remote control) and release it at the point you want.

Search backward during playback (REVIEW)
Press and hold REW/REVIEW (REW – on the remote control) and release it at the point you want.

To	Press
Play the next track/succeeding 9 tracks from the beginning (AMS**)	FF/CUE (FF + on the remote control) once/repeatedly during playback
Play the current track/previous 8 tracks from the beginning (AMS**)	REW/REVIEW (REW – on the remote control) once/repeatedly during playback
Play the other side from the beginning (Skip Reverse function)	FF/CUE (FF + on the remote control) for 2 seconds or more during stop
Play the same side from the beginning (Rewind Auto Play function)	REW/REVIEW (REW – on the remote control) for 2 seconds or more during stop

* Press ◀▶•■ on the remote control during fast forward or rewind to start playback.
** Automatic Music Sensor

A-B Repeat

A-B Repeat plays back repeatedly any portion of the tape you specified. Specify by tagging the beginning (point A) and the end (point B) of the portion during playback.

On the main unit

- 1 Press ◀▶•REPEAT for 2 seconds or more during playback to tag point A. "A." will flash in the display of the main unit.
- 2 Press ◀▶•REPEAT again to tag point B. "A-B" will flash and the tape will move rapidly to point A. Then "REP" appears in the display and the specified portion is played repeatedly.

On the remote control

- 1 Press ◀▶•■ twice quickly during playback to tag point A.
- 2 Press ◀▶•■ once more to tag point B. The tape will be rewound to point A. Then the specified portion is played repeatedly.

To stop the A-B Repeat playback
Press ◀▶•REPEAT on the main unit.

To reset A-B Repeat
When you want to change a specific portion, stop the A-B Repeat playback and tag point A and point B again.

- Notes
- You cannot specify a repeat portion that includes both sides of the tape.
 - You cannot specify a repeat portion shorter than 2 seconds.
 - After repeated operation, the actual portion that is played back may shift somewhat from the exact portion specified with the tags due to tape slack.

- A-B Repeat stops automatically after repeating 50 times.
- Do not use the A-B Repeat function with tapes longer than 90 minutes. If you do, the tape may be damaged.

Recording

You can record radio programs from the built-in radio, or record with the supplied microphone. In either case, use a new or fully charged battery.

Note
If the record-protect tab is broken, you cannot record on that side.

- 1 Insert a normal (TYPE I) tape.

To record on both sides
Insert the cassette with the side to be first recorded on as the FWD (forward) side*.

* Make sure that "FWD" is displayed. If not, press and hold ■ until "REV" changes to "FWD".

To record on one side only

Insert the cassette with the side to be recorded on as the REV (reverse) side**. "Make sure that "REV" is displayed. If not, press and hold ■ until "FWD" changes to "REV".

Note

When the cassette holder is opened, the direction of the tape will be automatically set to "FWD".

- 2 Press MENU repeatedly to set the cursor in the display to REC/PB. Then press SET to select "2x" or none (normal speed). Normal (no indication) (4.8cm/s): for optimum sound. Recommended for normal recordings.

2x (2.4cm/s): for double recording time (for example, 120 minutes using both sides of a 60-minute cassette). Suitable for recording conferences, dictations, etc. Not recommended for recording music.

To stop the A-B Repeat playback
Press ◀▶•REPEAT on the main unit.

- To avoid noise interference, do not place it near a lamp cord or a fluorescent lamp when recording with the microphone.
- If a howling effect occurs, turn down the volume.
- All other operation cannot be made while recording. For other operation, stop recording first.

To prevent a tape from being accidentally recorded over
Break off the tabs from side A and/or B. To reuse the tape for recording, cover the tab hole with adhesive tape.

To record from the radio
Tune in to the station you want to record (see "Listening to the Radio").

- 4 Slide REC. "REC" appears in the display and recording starts after about 2 seconds. If you have started recording from the FWD side, recording will switch to reverse side automatically at the end of the FWD side.

To stop recording
Press ■ (on the remote control, press ◀▶•■ to stop recording).

To reduce noise while recording AM programs
Set the ISS (Interference Suppress Switch) to the position that reduces noise the most.

To monitor the recording sound

You can monitor the recording sound through headphones/earphones. Adjust monitoring level using VOL.

Note

- The recording level is fixed.
- Sound emphasis (RV, MB, or GRV) and AVLS settings do not affect recording.
- Actual recording will start about 2 seconds (3 seconds when "2x" is selected for recording time) after you slide the REC button. Slide the REC button about 2 seconds (3 seconds when "2x" is selected for recording time) before the moment you want to start recording, or you will miss the beginning of your recording.

- When recording on both sides, recording will not be made for about 10 seconds while the tape is switching sides.
- Do not use a high-position (TYPE II) or metal (TYPE IV) tape. If you do, the sound may be distorted when you play back the tape, or the previous recording may not be erased completely.
- Do not connect or disconnect the headphones/earphones to/from while recording from the radio. The recording condition may change abruptly, or noise may be recorded.

- To avoid noise interference, do not place it near a lamp cord or a fluorescent lamp when recording with the microphone.
- If a howling effect occurs, turn down the volume.
- All other operation cannot be made while recording. For other operation, stop recording first.

To prevent a tape from being accidentally recorded over
Break off the tabs from side A and/or B. To reuse the tape for recording, cover the tab hole with adhesive tape.

- 3 Select a recording source: To record with the microphone
Connect the supplied microphone to the MIC (PLUG IN POWER) jack. You can attach the microphone to your clothes. To record from the radio
Tune in to the station you want to record (see "Listening to the Radio").

(turn over)

A-B Repeat

Note
"REC" appears in the display and recording starts after about 2 seconds. If you have started recording from the FWD side, recording will switch to reverse side automatically at the end of the FWD side.

To stop recording
Press ■ (on the remote control, press ◀▶•■ to stop recording).

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Set the ISS (Interference Suppress Switch) to the position that reduces noise the most.

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Connect the supplied microphone to the MIC (PLUG IN POWER) jack. You can attach the microphone to your clothes. To record from the radio
Tune in to the station you want to record (see "Listening to the Radio").

(turn over)

何时更换电池/给电池充电

" " 在显示窗中闪烁时，即请更换电池或给电池充电。

电池寿命* (大约小时数)	
Sony 碱电池 LR6 (SG)**	
录音带收音	44
听收音机	56
MIC 录音	15
收音机录音	12

充电式电池 NH-14WM (A)	
录音带收音	26
听收音机	34
MIC 录音	9
收音机录音	7

同时使用 Sony 碱电池 LR6 (SG)** 和充电式电池 NH-14WM (A)	
录音带收音	70
听收音机	90
MIC 录音	24
收音机录音	19

* 按 JEITA (Japan Electronics and Information Technology Industries Association) 标准测定的值。(使用 Sony HF 系列磁带)
** 使用 LR6 (SG) 型 Sony "STAMINA" 碱电池 (日本制) 时。

- 电池寿命可能因操作条件、环境温度 and 电池类型而缩短些。
- 当更换电池时，AVLS 设定 (参见 "使用项目单") 将被取消。

家用电源
要使家用电源为本机供电，您必须购买 AC-E15HG AC 电源转换器。

要使用家用电源为本机供电，您必须购买 AC-E15HG AC 电源转换器。如果插上充电式电池，请将其取出。装上电池盒，将 AC-E15HG AC 电源转换器 (无附带) 连接到电池盒的 DC IN 1.5 V 插孔和墙上插座。请勿使用任何形式的 AC 电源转换器。

AC-E15HG 的规格根据地区而异，在购买之前请核查您所在地区的电压和插头的电极。

要使用家用电源为本机供电，您必须购买 AC-E15HG AC 电源转换器。

播放录音带

- 1 装入盒带，如果遥控器的 HOLD 功能仍打开着，即请沿相反于箭头方向滑动 HOLD 开关以释放控制钮。

- 2 反复按 MENU 以便在显示屏中将 " " (光标) 设到 REC/PB。然后按 SET 选择 "2x" 或无 (正常速度)。此位置即和录音时使用的位位置一样。要播放市售音乐带等，选择正常 (无显示)。

- 3 按主机上的 ◀▶•REPEAT 并用 VOL 调节音量。(在遥控器上，则请按 ◀▶•(放音)•■ (停止) 。

在遥控器上调节音量时
请把主机上的 VOL 控制钮设定于 6 左右。

在主机上调节音量时
请把遥控器上的 VOL 控制钮设定于最大。

要	请按
换播放另一面	播放中按 ◀▶•■ 2秒以上
停止播放	播放中按一次 ◀▶•■

在主机上的操作

要	请按
换播放另一面	播放中按 ◀▶•REPEAT 2秒以上
停止播放	按 ■ (停止)

其他磁带操作

要	请按
快速进*	停止中，请按 FF/CUE (在遥控器上按 FF +)
重绕*	停止中，请按 REW/REVIEW (在遥控器上按 REW -)
播放期间向前搜索 (CUE)	按住 FF/CUE (在遥控器上按 FF +)，在所要的点上释放。
播放期间向后搜索 (REVIEW)	按住 REW/REVIEW (在遥控器上按 REW -)，在所要的点上释放。

要停止 A-B 反复放音时
请按主机上的 ◀▶•REPEAT，或按遥控器上的 ◀▶•■。

要恢复 A-B 反复放音
当您想要改变指定的部分时，请停止 A-B 反复放音并重新标记 A 点和 B 点。
注
• 您不能指定跨越录音带两面的重复部分。
• 您不能指定短于 2 秒钟的重复部分。
• 在反复操作之后，由于录音带的松弛，实际播放的部分可能和所标记指定的部分稍有不同。
• 在反复 50 次后，A-B 反复放音自动停止。
• 请勿用长度 90 分钟以上的磁带去使用 A-B 反复功能。否则，该磁带可能会损坏。

录音

您可以从内置的收音机录制广播节目，也可以用自带的麦克风进行录音。不管是哪种情况，都请使用新的或充足了电的电池。

注
如果防误抹小翼已被折断，则无法在该面录音。

- 1 插入一盒普通 (TYPE I) 录音带。
要在两面录音时
将要先录音的面作为 FWD (正) 面* 插入录音带。
* 确认是否显示 "FWD"。如果没有，请按住 ■ 直到 "REV" 变为 "FWD"。如果显示 "REV"，则请按 ▶◀• (放音) •■ (停止) 。

只要在两面录音时
将要录音的面作为 REV (反) 面** 插入录音带。
** 确认是否显示 "REV"。如果没有，请按住 ■ 直到 "FWD" 变为 "REV"。

注
录音带座打开着时，走带方向将被自动地设定为 "FWD"。
在两面录音时，在录音带换面过程中，录音将约有 10 秒钟不进行。
• 从收音机录音时，请勿将头戴式耳机/耳机接到 拔出 插孔。否则录音条件可能会突然改变，也可能录下噪音。
• 用麦克风录音时，请勿将麦克风靠近电灯线或日光灯，以避免噪音干扰。
• 如果发生啸叫，请调低音量。
• 在录音时所有其他操作都无效进行。要进行其他操作，请先停止录音。

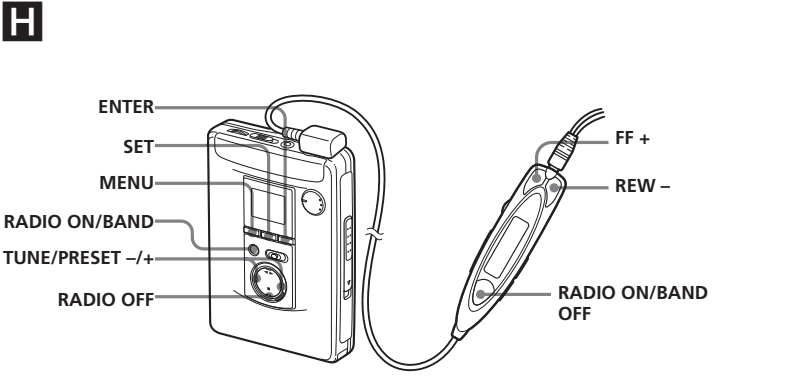
- 3 选择录音源：
要用麦克风录音时
将附带的麦克风连接到 MIC (PLUG IN POWER) 插孔。您可以将麦克风夹在您的衣服上。
要从收音机录音时
请调入您想录音的电台 (参见 "听收音机")。

要防止录音带被误录时
请折断 A 面和/或 B 面的防误抹小翼。要重新用该录音带录音，用胶布盖住折断防误抹小翼的缺口。

要停止 A-B 反复放音时
请按主机上的 ◀▶•REPEAT，或按遥控器上的 ◀▶•■。

要恢复 A-B 反复放音
当您想要改变指定的部分时，请停止 A-B 反复放音并重新标记 A 点和 B 点。
注
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• 您不能指定短于 2 秒钟的重复部分。
• 在反复操作之后，由于录音带的松弛，实际播放的部分可能和所标记指定的部分稍有不同。
• 在反复 50 次后，A-B 反复放音自动停止。
• 请勿用长度 90 分钟以上的磁带去使用 A-B 反复功能。否则，该磁带可能会损坏。

要防止录音带被误录时
请折断 A 面和/或 B 面的防误抹小翼。要重新用该录音带录音，用胶布盖住折断防误抹小翼的缺口。



English

Listening to the Radio

- Press RADIO ON/BAND to turn on the radio.
- Press RADIO ON/BAND repeatedly to select AM or FM.
- Press MENU on the main unit repeatedly and set the cursor in the display to TUNE MODE.

- Press SET to choose MANUAL.
- Press TUNE/PRESET + or - repeatedly to tune in to the desired station. Hold down TUNE/PRESET + or - for a few seconds to scan for stations.

For preset tuning

- Press SET to choose PRESET.
- Press TUNE/PRESET + or - repeatedly to recall the desired preset station. To use preset tuning, preset stations first (see "Presetting Radio Stations").

To turn off the radio

Press RADIO OFF.

To improve the broadcast reception

- For FM:** Reorient the unit itself.
- For FM:** Extend the remote control 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 choose from "MONO" (monaural), "LOCAL" or none (stereo) for best reception.
 - * Excluding European, Saudi Arabian, and Chinese models

To operate on the remote control

To turn on the radio, press RADIO ON/BAND•OFF for more than 1 second (while the tape is in stop mode only). To select the band, press RADIO ON/BAND•OFF for more than 1 second while the radio is on. To tune in or recall a preset station, press FF + or REV - . To turn off the radio, press RADIO ON/BAND•OFF.

Presetting Radio Stations

You can preset up to 30 stations—20 for FM and 10 for AM (for the JPN area*, up to 16 stations—8 for FM and 8 for AM).

* Only if available. See "Receiving Stations Outside Your Country/Region".

Presetting Automatically Scanned Stations

- Press RADIO ON/BAND to turn on the radio.
- Press RADIO ON/BAND repeatedly to select AM or FM.
- Press and hold ENTER for more than 3 seconds.

Preset number 1 will flash in the display and the main unit starts scanning the stations from the lower frequencies and stops for about 5 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 4 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.

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.

To stop scanning

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

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To stop scanning

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Playing the Preset Radio Stations

- Press RADIO ON/BAND to turn on the radio.
- Press RADIO ON/BAND repeatedly to select AM or FM.
- Press MENU repeatedly to set the cursor in the display to TUNE MODE. Then press SET to display "PRESET".
- Press TUNE/PRESET + or -.

To cancel a stored station

- Follow the procedure above and in step 4, select the preset number you want to cancel and then press ENTER. The frequency digits will flash in the display.
- Press and hold TUNE/PRESET + or - . The frequency digit starts running up or down. Keep holding down the button until "----" is displayed.

- Press ENTER while "----" is flashing. A preset number will flash in the display.
- Press ENTER to cancel the stored station.

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Protecting Your Hearing — AVLS (Automatic Volume Limiter System)

The maximum volume is kept down to protect your ears.

On the main unit:

Press MENU repeatedly in the playback, stop or radio mode to set the cursor in the display to AVLS. Then press SET to show "AVLS".

On the remote control:

Hold down MODE for more than 10 seconds until "AVLS" appears in the display.

To cancel the AVLS function

Press SET so that "AVLS" disappears from the display on the main unit.

On the remote control, hold down MODE again for more than 3 seconds until "AVLS" disappears.

Area indication and frequency range

Area*	Frequency FM (MHz)	AM(kHz)
Eur	87.5 - 108	531 - 1 602
USA	87.5 - 108	530 - 1 710
JPN	76.0 - 90.0	531 - 1 710

* Eur : European and other countries/regions
USA : USA, Canada, and Central and South America
JPN: Japan

Using the Menu

Adjusting Playback Speed

On the main unit: Press MENU repeatedly to set the cursor in the display to PB MODE. Then press SET to select the desired mode.

On the remote control: Press MODE repeatedly. With each press, the indications change.

To play

Select

both sides repeatedly

both sides once from the FWD side

Emphasizing Sound

On the main unit: 1 Press MENU repeatedly to set the cursor in the display to SOUND.

2 Press SET repeatedly to select the sound emphasis of your choice.

On the remote control: 1 Press SOUND repeatedly. With each press, the indications change.

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).

no message : 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.

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Using Other Functions

Adjusting the Tape Playback Speed

On the main unit: Press MENU repeatedly to set the cursor in the display to PB MODE. Then press SET to select the desired mode.

On the remote control: Press MODE repeatedly. With each press, the indications change.

To play

Select

both sides repeatedly

both sides once from the FWD side

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Notes

- If the sound is distorted with the mode "GRV", turn down the volume of the main unit or select other modes.

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, benzene or thinner.

Clean the headphones/earphones and remote control plugs periodically.

Clean the battery case terminals (both inside and outside) and the terminals periodically with a cotton swab or soft cloth as illustrated.

Troubleshooting

The sound drops out or comes with excessive noise.

Clean the headphones/earphones and remote control plugs.

The unit does not operate at all.

Charge the battery or replace the dry battery with a new one.

HOLD is activated. Deactivate HOLD.

Tape operation is not possible.

Insert a cassette tape.

The volume cannot be turned up.

If AVLS is on, turn it off.

A beep sounds and recording is not possible when REC is slid.

If the tab of the tape is broken off, cover the tab hole with adhesive tape.

The display and the operations are not normal.

Remove the power sources for 15 seconds or more, and then set them again.

The radio and playback operates but recording is not possible.

This condition may occur when the battery becomes weak. Replace or charge the battery.

Specifications

Radio section

Frequency range

FM: 87.5 - 108 MHz (Japan)

76.0 - 90.0 MHz (other countries/regions)

AM: 531 - 1 710 kHz (Japan)

530 - 1 710 kHz (North, Central, and South America)

531 - 1 602 kHz (other countries/regions)

Tape section

Frequency response

Playback: 40 - 15 000 Hz

Recording/playback: 100 - 8 000 Hz

Output

Headphones (⌚) jack

Load impedance 8 - 300 Ω

Input

Microphone (MIC) jack

General

Power requirements

1.5 V

Rechargeable battery

One R6 (size AA) battery

Dimensions (w/h/d)

Approx. 77.1 × 108.0 × 22.5 mm

(3¼ × 4¼ × ¾ in.) excl. projecting parts and controls

Mass

Approx. 152 g (5.4 oz) (main unit only)

Supplied accessories

AC power adaptor AC-ES455K (1),

Battery case (1),

Stereo headphones or earphones with remote control (1),

Charging stand (1),

AC plug adaptor (1) (Saudi Arabian model only),

Rechargeable battery (NH-14WM(A), 1.2 V, 1.350 mAh (min), Ni-MH) (1)

Rechargeable battery carrying case (1)

Carrying pouch (1)

Stereo microphone (1)

Design and specifications are subject to change without notice.

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