SONY

3-261-017-72(1)

Cassette-Corder

Operating Instructions 操作说明书

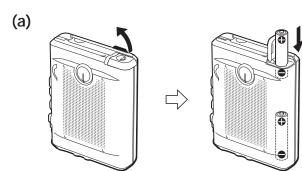
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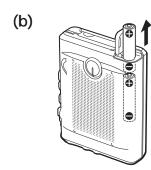
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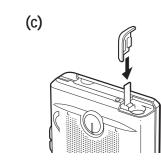


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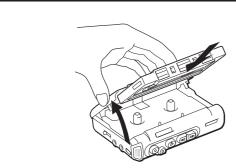


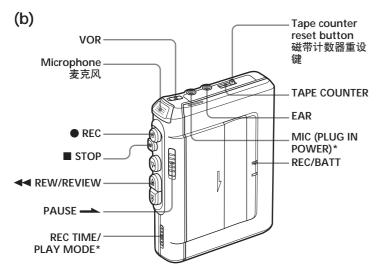




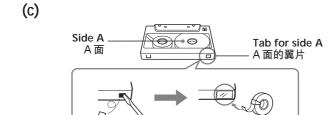
When batteries are new 电池崭新时	REC /BATT ← lights brightly 明亮
When batteries become weak 电池电量微弱时	REC /BATT ← lights dimly 暗淡
Replace batteries 更换电池	♥ // ← flashes

(a)





* The button/jack has a tactile dot. * 键 / 插孔有一个触点。



► Getting Started

English

Preparing a Power Source

Choose one of the following power

Dry Batteries (see Fig. A-

- **1** Open the battery compartment lid.
- 2 Insert two R03 (size AAA) batteries (not supplied) with correct polarity and close the

To take out the batteries (see Fig. A-(b))

To attach the battery compartment lid if it is accidentally detached (see Fig. A-(c))

When to replace the batteries

Replace the batteries with new ones of the same kind when the REC/ BATT lamp dims and the △ lamp

The REC/BATT and ⇔ lamps change as illustrated. (see Fig. A-

Notes

- The unit will play back normally for a while, even after the △ lamp flashes. However, replace the batteries as soon as you can. Otherwise, the built-in speaker may emit a loud noise and recordings may not be made correctly.
- · In the following cases you do not need to replace the batteries: - if the ⇔ lamp flashes with the
- playback sound when you turn up the volume. - if the ⇔ lamp lights momentarily when the tape starts running or at
- the end of the tape.

 if the ⇔ lamp flashes during FF/ REW or CUE/REVIEW.

Battery life*1 (approx. hours)

Batteries	Recording	Playback*
Sony alkaline LR03 (SG)*3	15	8
Sony manganese R03 (SB)	5	2

- *1 Measured value by the standard of JEITA (Japan Electronics and Information Technology Industries Association). (Using a Sony HF
- series cassete tape) *2 Using a tape on which music has been recorded is played at volume setting 7 using speaker
- *3 When using Sony LR03 (SG) alkaline dry batteries (produced in

battery type.

For maximum performance we recommend that you use alkaline batteries.

► Operating the Unit

Recording (see Fig. B-(a), (b))

The battery life may be shorter

depending on the operating condition,

the surrounding temperature and

You can record right away with the built-in microphone Make sure that nothing is connected to the MIC jack.

- **1** Press the reset button of the TAPE COUNTER.
- 2 Insert a normal (TYPE I) tape with the side start recording facing the lid.
- **3** Set REC TIME/PLAY MODE to the desired mode. NORMAL (4.8cm/s): for optimum sound. Recommended for normal recordings. There is a tactile dot on this side. DOUBLE (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
- **4** Set VOR to OFF. If you set VOR to ON, the unit automatically starts recording the sound and pauses when there is no sound (you can save tapes and batteries). When the sound is not loud enough, set it to OFF, or the unit may not start recording.
- **5** Press REC.

► PLAY is pressed simultaneously and recording starts. While the tape runs, the REC/BATT lamp lights and flashes depending on the strength of the sound. Recording level is fixed.

At the end of the tape, recording stops and the unit turns off automatically (Automatic shut-off mechanism)

中文

▶启用

Press or slide

Slide PAUSE - in the

REC during playback

direction of the arrow.

To release pause

recording, release

(the unit enters the

recording mode)

during recording.

the point to start

playback.

the cassette

Release the button at

Press ■ STOP and open

compartment lid by

Review the Press and hold

* PAUSE — will also be

release function).

erased completely.

Recording)

automatically released when

■ STOP is pressed (stop-pause-

• Do not use a High-position (TYPE II)

or metal (TYPE IV) tape. If you do

you play back the tape, or the

independent of this control.

previous recording may not be

• The SPEED CONTROL switch (see

reverse side) works in the playback

mode only. Recording will be made

Notes on VOR (Voice Operated

• The VOR system is affected by the

place, the unit will stay in the

not start recording.

want, set it to OFF.

environmental recording conditions

When you use the system in a noisy

recording mode. If the sound is too

soft, on the contrary, the unit will

If you cannot get the results you

• The VOR system may not record the

beginning of the sound you want to

record because it starts recording

only after it catches the sound. For

an important recording, set it to

Connect an earphone (not supplied) firmly to the EAR jack. The monitor

volume cannot be adjusted by VOL.

being accidentally recorded

Break off and remove the cassette

tabs. To reuse the cassette for recording, cover the tab hole with

To monitor the sound

To prevent a tape from

over (see Fig. B-(c))

adhesive tape.

so the sound may be distorted when

PAUSE **.

■ STOP

recording

recording

Pause

Start

recording

during

playback

recorded

Take out

a cassette

操作时,有下列电源可供选用。

- 2 装入两个R03(AAA,7号)电 极性方向装入, 然后盖上盖子。

电池室盖意外掉落时请将其装上 (参见图 A-(c))

什么时候需要交换电池

REC/BATT灯暗淡并且⇔灯闪 烁时,请用相同型号的新电池予以更

如图所示, REC/BATT和⇔指 示灯发生变化。(参见图 A-(d))。

- 即使 □灯起闪烁之后, 机器仍可正常 地播放一下,但是必须尽快更换电池。 如果不换电池, 您将不能获得正常声 音的放音,所录声音可能参杂噪声,所 录声音也会不够响亮。
- 如下状况时,并不必更换电池:
- 调高音量时,如果随播放声而 ⇔ 灯
- 当开始走带或到达磁带末端时: △□
- FF/REW (快进绕提示) 或 CUE/ REVIEW (重绕检阅) 操作中,如

果 🗠 灯起闪烁。 由孙丰会*1 (十年时间)

电心存即 "	(人 ()
电池	录音时间	放音 *2
Sony 碱性电池 LR03 (SG)*3	15	8
Sony 锰性电池 R03 (SB)	5	2

- *1按JEITA (Japan Electronics and Information Technology Industries Association)标准测量的值(使用 Sonv HF 系列磁带)
- *2使用扬声器以音量设置7播放录有音 乐的磁带 *3当使用Sony LR03(SG)碱性干电池
- (日本制告) 时

准备电源

干电池(参见图 A-(a))

- 1 打开电池室盖。
- 池 (无附带), 装时须按照正确

要取出电池时(参见图 A-(b))

1 按TAPE COUNTER的重设

2 将要录音的一面对着卡带室盖, 插入普通(TYPE I)磁带。

何电线。

电池。

3 将REC TIME/PLAY MODE 设为所需的状态。

NORMAL(标准)(4.8cm/ 秒): 用于最佳音质。建议使 用标准录音。在该面有一个触

> DOUBLE(两倍)(2.4cm/ 秒):用于两倍录音时间(例如, 使用60分钟磁带的双面为120 分钟)。适用于会议、口述等。建

电池寿命可能因机器的操作情况、环境

录音(参见图 B-(a), (b))

可使用内置麦克风立即录音。

录音时, MIC插孔里不可连接任

为发挥最大性能,推荐使用碱性

温度和电池类型而缩短。

▶ 操作机器

4 把 VOR 开关设定在 "OFF"。 若把VOR开关设定在

议不要用于录制音乐。

"ON",则录音机将在发出声音 时自动开始录音,没有声音时 自动暂停下来(可以节省磁带 及电池之消耗)

要录的声音若不够大,把 VOR开关设定在"OFF",否 则便无法令录音机开始录音。

5 按压 ●REC 键。

▶PLAY 即同时被按下 而开始录音。录音带一开始卷 动, REC/BATT指示灯便发亮 并按照声音强弱而闪烁。 录音电平是固定的。

到达磁带末端时, 录音停止并且 本机自动关闭(自动关机机制)。

按压或滑动 停止录音 按■STOP键 暂停录音 沿箭头方向滑动 PAUSE 开关 要释放暂停录音,释放 PAUSE 开关*。 在放音过程 在放音过程中按●REC 中开始录音 (录音机讲入录音状态) 回放刚录制 在录音过程中按住 在录音带转到要收听的 地方时放开按键。 取出磁带 按■STOP键,用手打开

*按■STOP键时PAUSE—— 键也将 自动释放(停止-暂停-释放功能)。

- 请勿使用高频 (TYPE II) 磁带或金 属(TYPE IV)磁带。否则,放音时 声音可能会失真,或者可能完全抹掉 以前的录音内容。
- SPEED CONTROL旋钮(见背面)仅 在放音状态中才起作用。录音不受该 控制的影响。

关于 VOR (Voice Operated Recording) 开关的注意事项

- VOR系统受环境录音条件影响。当在 嘈杂的地方使用该系统时, 本机将-直处于录音状态。如果声音太轻, 本机 也不会开始录音。如果不能获得理想 的结果,请将其设为 OFF。
- VOR系统可能没有录下要录声音的开 始部分,因为只有它捕获到声音后才 开始录音。对于重要的录音,请将其设 为"OFF"。

若要一面录音一面监听所录着的声

在EAR插孔连接耳机(无附带)。 监听器的音量是不能用VOL调整的。

为防止所录的地方因重录而被误消 掉(参见图 B-(c))

拆掉录音卡带盒背的录音防 止保险片。要再以那盒卡带录音 时, 在拆掉保险片的小洞, 贴张 胶带就行。

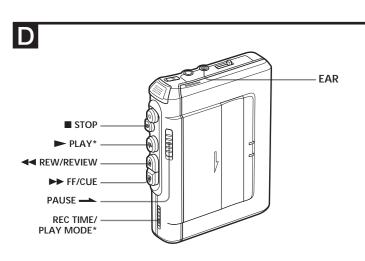
(turn over)

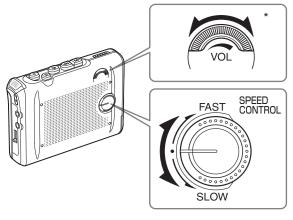
(续下页)



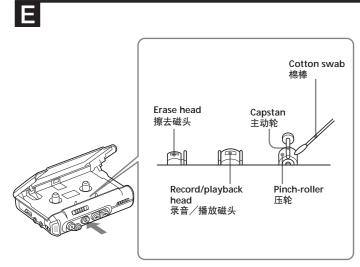


* There is a tactile dot beside the MIC jack. *在 MIC (麦克风)插孔旁边有一个触点。





* The button has a tactile dot. * 键有一个触点。



Recording from **Various Sound** Sources

Notes

- · When you are going to record something that you may not have an opportunity to record again, test the unit first before you actually start recording.
- difference in sensitivity.

External Microphone (see Fig. C)

MIC jack.

Use a microphone of low impedance (less than 3 k Ω). When using a plug-in-power system microphone, the power to the microphone is supplied from this

Recording from Another Equipment

Connect another equipment firmly to the MIC jack using the connecting cord (not supplied). Set this unit to the recording mode and another equipment to the playback mode.

Playing a Tape (see Fig. D)

- 1 Insert a normal (TYPE I) tape with the side to start playing facing the lid
- 2 Set REC TIME/PLAY MODE to the same position as that used for recording. To playback commercially available music tape, etc., select NORMAL.
- **3** Press ► PLAY and then adjust the volume. There is a tactile dot beside VOL on to show the direction to turn up the volume.
- **4** Adjust the tape playback speed. Turn SPEED CONTROL to: SLOW (slow) to play back at a slower speed. Center position to play back at normal speed. FAST (fast) to play back at a faster speed.

At the end of the tape, playback stops and the unit turns off automatically (Automatic shut-off mechanism). After the tape has been wound or rewound, be sure to press STOP.

If you plug in headphones (not supplied) to the EAR jack, you will get monaural output from both left and right channels.

То	Press or slide
Stop playback/ stop fast forward or rewind	■ STOP
Pause playback	Slide PAUSE — in the direction of the arrow. To release pause playback, release PAUSE — *.
Fast forward** (FF)	►► FF/CUE during stop
Rewind** (REW)	≪ REW/REVIEW during stop

Search forward Press and hold during playback ►► FF/CUE and release it at the point you want. Press and hold

backward ■ REW/REVIEW and release it at the during playback point you want. (REVIEW)

playback

Take out Press ■ STOP and a cassette open the cassette

* PAUSE — will also be automatically released when ■ STOP is pressed (stop-pause-

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

Playback may not start automatically even if you release ◀◀ REW/ REVIEW at the end of the tape. To start playback again, press STOP, then press PLAY

► Additional Information

Precautions

On power

• Operate the unit only on 3 V DC. For battery operation, use two R03 (size AAA) hatteries

On the unit

- Do not leave the unit in a location near heat sources, or in a place subject to direct sunlight, excessive dust or mechanical shock.
- Should any solid object or liquid fall into the unit, remove the batteries and have the unit checked by qualified personnel before operating
- it any further. Keep personal credit cards using magnetic coding or spring-wound watches, etc. away from the unit to prevent possible damage from the magnet used in the speaker.

· When you do not use the unit for long, remove the batteries to avoid damage caused by battery leakage and subsequent corrosion.

• If the unit has not been used for long, set it in the playback mode and warm it up for a few minutes before inserting a cassette.

On tapes longer than 90 minutes

We do not recommend the use of tape longer than 90 minutes except for a long continuous recording or playback. They are very thin and tend to be stretched easily. This may cause malfunction of the unit or sound

If you have any questions or problems concerning your unit, please consult your nearest Sony dealer.

Troubleshooting

Should any problem persist after you have made these checks.

You cannot insert a cassettte or

• The cassette is being inserted in the

The unit does not operate. The batteries have been inserted. with incorrect polarity.

- both batteries with new ones. • PAUSE — is slid in the direction
- Recording cannot be made.

• The tab on the tape has been removed. To reuse the tape for

• The batteries are weak. Replace both batteries with new ones.

Recording is interrupted. • The VOR switch is set to ON. When

Recording cannot be erased completely.

• You are using a High-position (TYPE II) or metal (TYPE IV) tape.

Playback cannot be made.

 The tape has reached the end Rewind the tape.

sneaker • The earphone is plugged in.

Unplug it. The volume is turned down

The sound drops out or comes with excessive noise.

- The volume is turned down completely.
- The batteries are weak. Replace both batteries with new ones
- . The heads are contaminated. See "Maintenance

• Direct placement of the cassette tape on the speaker resulted in magnetization and deteriorated tonal quality.

 You are using a High-position (TYPE II) or metal (TYPE IV) tape. . Use the unit away from radiowaye emitting devices such as cellular

Tape speed is too fast or too

slow or the sound is distorted in

• SPEED CONTROL is set at a point

• Improper setting of the REC TIME/

PLAY MODE switch. Set it to the

same speed as that used for

• The batteries are weak. Replace

There is a clicking noise during

• The unit is not in the stop mode.

To clean the tape heads and

Press ► PLAY and wipe the heads,

pinch roller and the capstan with a

Use a soft cloth slightly moistened

cotton swab, moistened with

alcohol every 10 hours of use.

To clean the exterior

Specifications

Approx. 3.6 cm dia.

2-track 1 channel monaural

benzine or thinner.

Recording system

Speaker

Tape speed

in water. Do not use alcohol,

both batteries with new ones.

phones.

the playback mode

recording.

tape operation.

Press STOP

Maintenance

path (see Fig. 1

other than the center.

consult your nearest Sony dealer.

close the cassette compartment

- PLAY has been already pressed.

- The batteries are weak Replace
- of the arrow.

• There is no cassette in the cassette

- recording, cover the tab hole with adhesive tape.
 - 4.8 cm/s or 2.4 cm/s Variable range of the tape speed From approx. +30% to -20% (with REC TIME/PLAY MODE switch at "NORMAL")

Frequency range 250 - 6 300 Hz using nomal (TYPE I) cassette (with REC TIME/PLAY MODE switch at "NORMAL")

Microphone input jack (minijack/ monaural/PLUG IN POWER) sensitivity 0.2 mV for $3 \text{ k}\Omega$ or lower impedance microphone

Output Earphone jack (minijack/ monaural) for 8 - 300 Ω earphone Power output (at 10 % harmonic

450 mW Power requirements 3 V DC, batteries R03 (AAA) × 2 Dimensions (w/h/d) (incl. projecting

parts and controls) Approx. $86.3 \times 113.4 \times 28.9 \text{ mm}$ Mass (main unit only) Approx. 173 g Supplied accessory Carrying pouch (1)

Design and specifications are subject to change without notice.

从各种声源录音

中文

- 将要录制某些仅有一次录音机会的声 源时, 请在开始录音前先测试本机。
- 使用机外寿克风时, 因为各个寿克风 的灵敏度不同,所以VOR功能也许不 能正常工作。

另连接麦克风录音 (参见图 C)

将麦克风牢固地连接到 MIC 插

使用低阻抗 (低于 $3k\Omega$) 的麦克 风。使用插入通电式麦克风时,麦克 风电源由本机提供。

从其他装置录音

用连接导线 (无附带) 将另一磁 带录音机连接到 MIC 插孔。

把本机设定在录音状态, 并把另 一架录音机设定在放音状态

放音(参见图 □)

- 1 将要开始放音的一面对着卡带 室盖,插入普通(TYPEI)磁
- 2 将REC TIME/PLAY MODE 设为与录音时相同的状态。 要放音在市面上选购的音 乐磁带等,请选择NORMAL。
- 3 按 ▶PLAY 键,然后调节音 VOL 旁的触点表示调高 音量的方向。
- 4 调节磁带放音速度。 将SPEED CONTROL旋

钮转至: SLOW(慢速)以较慢的速 度进行放音。

中心位置以标准速度进行 放音。 FAST(快速)以较快的速 度进行放音。

到达磁带末端时,放音停止并且 本机自动关闭(自动关机机制)。磁带 完全绕完或重绕完之后, 请务必按 ■STOP 键。

如果把头戴耳机 (无附带)接插 到EAR插孔,则从左频道及右频道都

须按压或设定的控制器 停止放音/停 按■STOP键 止快转或倒转 暂停放音 把 PAUSE — 开关 往箭头方向移动。

将听到单耳声输出。

要取消暂停放音, 请释 放 PAUSE→* 键 在停止状态下按 快速前转 ** ▶►FF/CUE 键 快速倒转 ** 在停止状态下按 ◀■REW/REVIEW 键 (REW) 在放音过程中 按住 ▶▶FF/CUE 键, 在所需的地方释放该 在放音过程中 按住 ◀◀REW/ REVIEW 键,在所需 (REVIEW) 的地方释放该键。 在放音过程中 按●REC键 开始录音

打开卡带室盖。 *按■STOP键时PAUSE——键也将

按■STOP键,用手

自动释放(停止-暂停-释放功能)。 **若在录音带走到尽头,或被卷回起点 以后离开录音机,则电池将很快就用 完,切记此时一定要按下■ STOP键

取出磁带

即使在磁带结束时释放 ◀◀ REW/ REVIEW键, 也有可能不会自动开始放 音。若要重新开始放音,按■STOP键, 然后再按 ▶PLAY 键。

▶附加信息

使用前须知注意事项

• 本机只可使用 3V DC 直流电操作。

录音机

• 不可把录音机放在热源附近,或直接 受到阳光照射的地方, 以及灰尘极多, 容易受震动うか

- 若让固体或液体掉落机内, 请取出电 池,并经电气专业人员检查以后,方可 再行使用。
- 不要把涂有磁层的个人信用卡或发条 手表等,放在录音机附近,以免受到录 音机里的扬声器磁性的影响, 而损失
- 若长期不使用电池,请取出,以免电池 溶液泄漏, 损伤机体或腐蚀。 • 录音机若长期没使用,下一次要再使

用时, 先把录音机设定在放音状态, 使

机器预热了几分钟,然后才插入录音 90 分钟以上长的磁带须知

Sony 销售店咨询。

除非讲行长时间的连续录音或播放,不 建议使用长度长于90米的磁带。因为这 类磁带很薄,容易拉伸,可能引起机器 故障或音质变差。

若对机器有任何疑问时,请向最近的

若在经过自己进行下列检查调查 以后,仍然不能使录音机恢复正常的 话,请向 Sony 经销店商量。

无法插入磁带或关闭卡带室盖

• 录音带方向装反了。 ▶PLAY 键已经被按下了。

本机不工作。 • 电池装反了

- 电池电量不足。请同时更换两个新电
- PAUSE→ 往箭头方向移动了。

不能录音。

• 卡带室里没装录音带。

- 磁带上的防录保险片被拆掉了。要使 磁带能重新录音,用胶带覆盖保险片
- 电池用完了。请用新电池更换两节旧

录音中途停止。

 VOR开关被设为ON。当不使用VOR 时,请把它设为 OFF

以前的录音不能完全消除。

•擦去磁头脏了。参看"维修" • 正在使用高频 (TYPE II) 磁带或金 属 (TYPE IV) 磁带。

不能播放。

• 磁带已到头了。重绕磁带。 扬声器没有声音。

• 已插入耳机。请将其拔出。 音量被调到最小。

声音跳音或噪音太大。 音量被调到最小。 • 电池电量不足。请同时更换两个新电

•磁头脏了。参看"维修"。

- 把卡带放在扬声器上导致磁化以及声
- 正在使用高频(TYPE II)磁带或金 属 (TYPE IV) 磁带。

• 在远离无线电发射设备如手机处使用

磁带速度太快或太慢或者放音模式时 声音失真。

- SPEED CONTROL没有设在中心位 • REC TIME/PLAY MODE开关设置
- 不正确。将其设为与录音时相同的速 • 电池电力不足。用两节新电池进行更

在磁带运转过程中有"卡嗒"的噪音。 录音机不在停止状态。按■STOP键。

清洁磁头和磁带通道(参见图 图)

每使用10小时后,按▶PLAY 键, 然后用蘸有洒精的棉球棒擦拭磁 头、压带轮及输带轴,

机体外表的清洁

机体外表请以一稍微沾湿的柔软 布块擦拭,不可使用酒精、挥发性油 脂或稀释剂。

规格

录音系统

2轨迹, 1声道, 单声道

扬声器 直径约为3.6cm

磁带速度 4.8cm/ 秒或 2.4cm/ 秒

磁带速度变化范围 大约+30%到-20% (REC TIME/ PLAY MODE 开关设定于

"NORMAL") 频率范围

250-6300Hz, 使用标准盒带 (TYPE I) (REC TIME/PLAY MODE 开关设定于"NORMAL")

麦克风输入插孔(小型插孔/单声道/ PLUG IN POWER,插入通电式) 灵敏度为 0.2mV,用于阻抗为 3kΩ 或低于 $3k\Omega$ 的麦克风。

耳机插孔(小型插孔/单声道),用于 8-300Ω的耳机

功率输出(10%谐波失真时)

电源 3V DC 电池 R03 (AAA, 7号) × 2 尺寸(宽/高/深)(包括突出部分及控

约86.3×113.4×28.9mm 质量(只包括主机)

约 173g 随机附件

便携袋(1) 本机设计及规格或有变更之处, 恕不另

English

• When recording with an external microphone, the VOR system may not work properly because of the

Recording with an

Connect a microphone firmly to the

Start recording REC

compartment lid by hand.

you do not use VOR, set it to OFF.

• The erase head is contaminated. See "Maintenance."

No sound comes from the

completely.

distortion)