SONY.

IC Recorder

Operating Instructions

IC RECORDER

ICD-70

Please refer to the illustrations in the Japanese instruction manual as indicated in each section.

Table of Contents

Index to Parts and Controls

The numbers are keyed to the illustrations on pages 46 and 47 in the Japanese instruction manual.

Main unit
1 VOL (volume) control
2 MIC (built-in microphone)
3 OPR (operation) indicator
4 Jog dial
   PLAY/STOP
   = / + (fast forward/fast backward)
   ⏵/⏷ (menu selection)
5 FILE button
6 PRIORITY button
7 HOLD switch
8 MENU button
9 STOP button
!... DIGITAL 1/¤ connector (for connecting to a computer*)
!` @ (earphone) jack
!" Display window
!£ MIC (PLUG IN POWER) jack
!¢ ERASE button
! REC (record) button
!/ Speaker
!ƒ Hand strap

Display window
1 File icons
2 Current message number
3 Priority marks
4 Total number of messages in a file

5 REMAIN (Remaining recording time) indication
  REC DATE (Recording date) indication
6 Current time/day indication (15:30 TUE, etc.)
  Recording time indication (10:10:10, etc.)
  Menu indication (ALARM OFF, etc.)
  File name (ACTION, SCHEDULE, etc.)
  Messages (RECORD, ERASE?, etc.)
7 Battery exhausted indicator
8 HOLD indicator
9 Alarm indicator
!... Repeat play indicator
!` Digital VOR indicator
!" Recording mode indication

English

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Step1: Installing the Batteries

See the illustrations on page 8 in the Japanese instruction manual.

1 Slide and lift the battery compartment lid.

2 Insert two size AAA (LR03) alkaline batteries with correct polarity, and close the lid.

Note
• If the battery compartment lid is accidentally detached, attach it as illustrated on page 8 in the Japanese instruction manual.

Clock setting display appears when you insert batteries for the first time, or when you insert batteries after the unit has been without batteries for a certain period of time. Please refer to Step 2 – 4 in "Step 2: Setting the Clock" on the next page to set the date and time.

Note
• Make sure to close the lid completely. Otherwise the unit will not operate.

Charging the clock battery

Before using the IC recorder for the first time, or if you have not used the unit for a long time, you first need to charge the built-in clock battery. Install the batteries in the battery compartment and leave

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them for more than one day. The clock battery will be automatically charged. (You can use the unit while charging.) If you remove the batteries while charging the clock battery, the unit will be reset to the initial setting. Once you have charged the clock battery, you do not have to recharge it, as long as batteries are installed. When the clock battery is recharged, settings such as clock setting are maintained for about 3 minutes.

Replacing the battery

"i" appears on the display when the batteries become weak and it flashes when the batteries are exhausted. Replace the batteries with new ones.

Battery life

Approx. 1.5 months with Sony alkaline batteries LR03 (SG) when recording in LIGHT OPR mode for 2 minutes and playing back for 3 minutes every day

Notes
• When you replace the batteries, insert new batteries within 3 minutes after you removed the exhausted ones, otherwise all the settings you have made will be reset to the initial settings. The recorded messages, however, will remain.
• When replacing the batteries, be sure to replace both batteries with new ones.
• Do not charge dry batteries.
• When you are not going to use the unit for a long time, remove the batteries to prevent damage from battery leakage and corrosion.

Step 2: Setting the Clock

You need to set the clock to display the date and time of recording, and to use the alarm function.
See the illustrations on pages 9 and 10 in the Japanese instruction manual.

1 Display the clock setting display.
  1 Press MENU to enter the menu mode.
  2 Turn the jog dial upward to display "DATE & TIME" once.
  3 Press the jog dial. The year digits will flash.

2 Set the date.
  1 Turn the jog dial to select the digits of the year.
  2 Press the jog dial. The month digits will flash.
  3 Set the month and day in sequence, then press the jog dial. The hour digits will flash.

3 Set the time.
  1 Turn the jog dial to select the digits of the hour.
  2 Press the jog dial. The minute digits will flash.
  3 Set the minute.
  4 Press the jog dial at the time signal. The display will return to "DATE & TIME".

4 Press MENU to exit from the menu mode.

Recording Messages

You can record up to 99 messages in each file.
Since a newly recorded message is automatically added after the last recorded message, you can start recording quickly without searching for the end of the last recording.
See illustrations on pages 12 and 13 in the Japanese instruction manual.

1 Press FILE repeatedly until the icon of the desired file is displayed.

Current file

2 Start recording.
  1 Press REC.
  2 Speak into the built-in microphone.

During recording, the OPR indicator lights up in red.
You do not need to keep pressing REC while recording.

3 Press STOP to stop recording.

If you do not change the file icon after you stop recording, the next time you record you will record in the same file.

To listen to the current recording
Press STOP to stop recording, then press the jog dial.

To review the current recording instantly
Press the jog dial during recording.

5 different files
Select among 5 files:

☑	ACTION for recording action plans
▦	SCHEDULE for recording appointments, etc.
1⬚	MEMO-1 free
2⬚	MEMO-2 free
🔒	SECRET for recording personal or confidential messages*

* To prevent confidential messages from being played back by others, see page 13.

Notes
• When the remaining time of recording reaches 1 minute, "NEAR END" will flash in the display window. When the memory is full, recording automatically stops and "MemoryFull" will flash in the display window with an alarm sound. To continue recording, first erase some of the messages. (Page 9)
• If you press REC when the memory is full, "MemoryFull" will flash with an alarm sound. Erase some of

the messages before you start recording again. (Page 9)
• If you press REC after you have recorded 99 messages, "INDEX FULL" will flash with an alarm sound. Select another file or erase some of the messages. (Page 9)
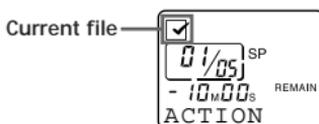
` *Tips*
• You can record for up to 16 minutes in SP (standard play) mode and 24 minutes in LP (long play) mode. If you record messages in a mixture of SP and LP modes, the recordable time varies from 16 to 24 minutes. To change the recording mode, see page 16.
• You can select the microphone sensitivity. See page 17.
• You can select the external microphone. See page 11.

Playing Back Messages

When playing back a previously recorded message, start from Step 1. When playing back the message you have just finished recording, start from Step 3.
See illustrations on pages 15 and 16 in the Japanese instruction manual.

1 Press FILE repeatedly until the icon of the desired file is displayed.

```
Current file ──┐
               ☑
              ┌──────────┐
              │ 01/05 SP │
              │          │
              │ -10:00ₛ REMAIN │
              │ ACTION   │
              └──────────┘
```

2 Select the message number. Turn the jog dial to display the desired message number, upward for a smaller message number and downward for larger message number.

```
Selected message ──┐
number             ☑
                  ┌──────────┐
                  │ 03/05 SP │
                  │ 7ᴹ 4ᴰ REC DATE │
                  │ 6:37:4   │
                  └──────────┘
                         │
            Total number of messages
            in the current file
```
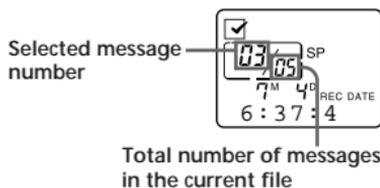
3 Press the jog dial to start playback.

During playback, the OPR indicator lights up in green.
After playing back one message, the unit stops at the beginning of the next message.

English

When the last message on the file has been played back, the unit stops at the beginning of the last message.

4 Turn VOL to adjust the volume.

To stop playback

To	Do this
stop at the beginning of the current message	Press STOP.
stop at the current position	Press the jog dial.

Other operations

To	Do this
skip to the next message	Turn the jog dial downward until you find the message number you want to play.
skip to the previous message	Turn the jog dial upward until you find the message number you want to play.
search forward during playback	Turn the jog dial downward while pressing it and keep it pressed.
search backward during playback	Turn the jog dial upward while pressing it and keep it pressed.

Playing back a message repeatedly — Repeat Play
During playback, press the jog dial for more than 2 seconds.
" f " will be displayed and the selected message will be played back repeatedly until you stop playback by pressing STOP or the jog dial.

Playing the beginning of each message — Scanning Play
During stop mode, press the jog dial for more than 2 seconds. "SCAN" will be displayed in the display window and the first 5 seconds of each message in the selected file will be played back. When you find the desired message, press the jog dial. The message will be played back until the end.

For private listening
Connect an earphone (not supplied) to the @ jack. The built-in speaker will be automatically disconnected.

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Erasing Messages

You can erase the recorded messages one by one or all messages in a file at a time. Note that once a recording has been erased, you cannot retrieve it. See the illustrations on pages 18 and 19 in the Japanese instruction manual.

Erasing messages one by one

When a message is erased, the remaining messages will advance and renumbered so that there will be no blank space between messages.

1 Press ERASE while playing back the message you want to erase or press ERASE for more than 1 second during stop mode.
A beep will sound and the message number and "ERASE?" will flash while the first and last 5 seconds of the message is played back 10 times.

2 Press ERASE while the message is being played back.
The note is erased and the remaining messages will be renumbered.

To cancel erasing
Press STOP before step 2.

To erase other messages
Repeat steps 1 and 2.

Erasing all messages in a file

1 Press FILE to select the file you want to erase.

2 Press ERASE and STOP at the same time for more than 1 second.
The icon of the file, the message number and "ALL ERASE?" will flash.

3 Press ERASE.

To cancel erasing
Press STOP before step 3.

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Starting Recording Automatically in Response to the Sound – Advanced VOR function

When VOR (voice operated recording) function is set to on, recording starts when the recorder detects sound and stops when no sound is heard.
See the illustrations on pages 20 and 21 in the Japanese instruction manual.

1 Press MENU to enter the menu mode.
2 Turn the jog dial to display "VOR OFF (or ON)", then press the jog dial.
"OFF (or ON)" starts to flash.
3 Turn the jog dial to flash "ON".
4 Press the jog dial.
The setting is completed.
5 Press MENU again to exit the menu mode.

When you record messages with VOR set to ON, the recording pauses when no sound is detected, "RecStandby" appears and "VOR" flashes.

To cancel VOR
Follow the steps above and select "OFF" in step 3.

Note
VOR function is affected by the sound around you. Select the microphone sensitivity according to the situation(see page 17). If recording is not satisfactory after you have changed the microphone sensitivity, set VOR to OFF.

Adding a Recording to a Previously Recorded Message

You can add a recording to the message being played back.
The added recording will be placed after the current message and counted as a part of the message.
See illustrations on page 22 in the Japanese instruction manual.

During playback of Message 3

| Message 3 | Message 4 | |

⬇

After adding a recording

| Message 3 | | Message 4 |

Added recording

(Meeting at 2 o'clock on December 1)

(at Conference room A)
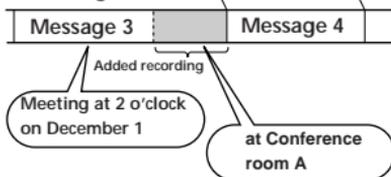
1 During playback, press REC for more than 1 second.
"REC PLUS" is displayed and the OPR indicator will light in red.
Speak into the built-in microphone.

2 Press STOP to stop the recording.

Note
The added message will be recorded in the same recording mode (SP or LP; see page 16) as the original message, regardless of the current recording mode setting.

Recording with an External Microphone or Other Equipment

1 Connect a plug-in-power type microphone or other equipment to the MIC (PLUG IN POWER) jack.

When recording with an external microphone

MIC (PLUG IN POWER)

External microphone

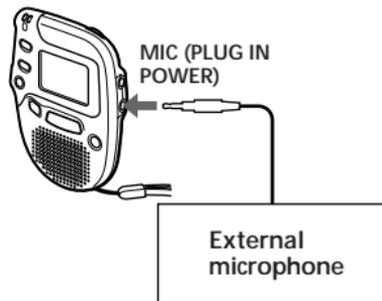When you connect an external microphone, the built-in microphone is automatically cut off. When a plug in power type microphone is connected, power is automatically supplied to the microphone from the IC recorder.

When recording from other equipment

MIC (PLUG IN POWER)

RK-G64HG (not supplied)

EAR, EARPHONE, @ or REC OUT

Tape recorder, TV, radio, etc.
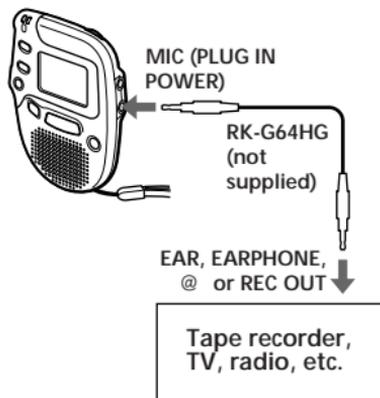
2 Follow the steps in "Recording messages" (page 6) to record messages.

Notes
• Make sure that the plugs are connected securely.
• We recommend you make a trial recording to check the connections and volume control.
• When connecting equipment other than Sony's, refer to the instruction manual of the equipment.

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Organizing the files

Renumbering the Messages according to their Priority — Priority Marks

Usually the recorded messages are lined up in the order of recording. By adding priority marks ($\star$) to important messages, you can renumber the messages in the order of their priority. You can add up to three priority marks with "$\star\star\star$" being the most important. See illustrations on pages 24 and 25 in the Japanese instruction manual.

During stop mode

1 Turn the jog dial to select the desired message.
2 Press PRIORITY to display $\star$. Every time you press PRIORITY, the display changes in the following order:
   $\star$ n $\star\star$ n $\star\star\star$ n no mark.

During playback

1 Press PRIORITY to display $\star$. The first and last 5 seconds of the message will be played back.
2 Press PRIORITY repeatedly to select the number of the priority marks.
3 Press STOP.

The messages with priority marks are rearranged according to the number of the marks.
Notes with no priority marks are placed after those with priority marks.
During stop mode, messages are rearranged every time a priority mark is added. During playback, messages are rearranged after you press STOP.

The notes with the same number of priority marks are arranged in the order of recording.

e.g.
When there are 3 messages in a file, they are arranged as follows:

Message 1

```
☑
★ ⌐ ⌐    SP
★ ⌐1/03⌐
  9ᴹ 10ᴰ REC DATE
```

Message 2

```
☑
★⌐02/03⌐  SP
  7ᴹ 4ᴰ REC DATE
```

Message 3

```
☑
★03/03⌐  SP
  9ᴹ 15ᴰ REC DATE
```
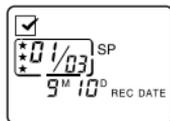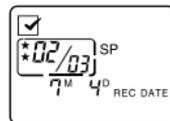
Note
While messages are being rearranged, "– –" is displayed in the message number display.

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Moving Messages to a Different File — Move Function

You can move recorded messages to a different file.
See illustrations on page 26 in the Japanese instruction manual.

1 Play back the message you want to move.
2 Press FILE during playback to select the file you want to move the message to.
   The icon of the file and "MOVE" will flash and the first and last 5 seconds of the message will be played back 10 times.
3 Press STOP.

Preventing Confidential Messages from being Played Back by Others — Secret Function

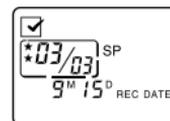You can set an ID code (4-digit number) to prevent confidential messages in the 🔒 (SECRET) file to be played back by others. When the secret function is set to on, you cannot play back the messages unless you enter the ID code; however, you can add new recordings to the secret file.
See illustrations on page 24 in the Japanese instruction manual.

To set the secret function

1 Press MENU to enter the menu mode.
2 Turn the jog dial to display "SECRET OFF (or ON)" and press the jog dial.
3 Turn the jog dial to flash "ON".
4 Press the jog dial.
   "No. ? 0∗∗∗" will be displayed.
5 Set the ID code.
   Turn the jog dial to select a digit and press the dial.
   Repeat this step to select the four digits.
6 Press the jog dial.
   "LOCKED" will be displayed and the secret function is set.
7 Press MENU to exit the menu mode.

To play back messages in the SECRET file

1 Press FILE to select the 🔒 (SECRET) file.
   "– – / – –" will be displayed in the message number display.
2 Press the jog dial.
   "No. ? 0∗∗∗" will be displayed.
3 Input the ID code, following Step 5 in "To set the secret function".
4 Press the jog dial.
   "UNLOCKED" and the message number will be displayed.

English

To start playback, follow the steps in "Playing back messages" on page 7.

If you leave the unit unoperated after step 4, the display will turn to the clock display after 3 seconds, and the unit will go back to the "LOCKED" mode after 1 minute.

If you enter a wrong ID code

">>WRONG<<"will be displayed. Press the jog dial once and enter the correct number.

If you erase all messages in the SECRET file

Secret setting will be cancelled (the display will show "SECRET OFF".)

If you forget your ID code

Cancel the secret setting by erasing all messages in the SECRET file as mentioned above. Note that erased messages cannnot be retrieved.

To cancel the secret setting

1 Press MENU to enter the menu mode.
2 Turn the jog dial to display "SECRET ON" and press the dial.
3 Turn the jog dial to flash "OFF" and press the jog dial.
4 Enter the ID number and press the jog dial.
5 Press MENU to exit the menu mode.

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Other functions

Playing Back a Message at a Desired Time with an Alarm — Alarm Function

You can sound an alarm and start playback of a selected message at a desired time.
See illustrations on page 30 in the Japanese instruction manual.

1 Use FILE and the jog dial to select the file and the message you want to play back.
2 Enter the alarm setting mode.
   1 Press MENU to enter the menu mode.
   2 Turn the jog dial to display "ALARM OFF (or ON)" and press the jog dial. "OFF (or ON)" starts to flash.
   3 Turn the jog dial to flash "ON".
   4 Press the jog dial. "DATE" will flash in the display window.
3 Set the alarm date.

   to play back on a desired date (the message will be played back at the same time on the same date every year until you erase the message)
   1 Press the jog dial when "DATE" is displayed. The month digits will flash.
   2 Turn the jog dial to select the month digits and press

the jog dial.
The day digits will flash.
3 Turn the jog dial to select the day digits.

to play back once a week
Turn the jog dial to select the day of the week.

to play back at the same time every day
Turn the jog dial to select "EVERYDAY".

4 Press the jog dial
The hour digits will flash.
5 Set the alarm time.
1 Turn the jog dial to select the hour digits and press the jog dial.
The minute digits will flash.
2 Turn the jog dial to select the minute digits and press the jog dial.
"ALARM ON" and "ˇ" will be displayed to indicate that the setting has been completed.
6 Press MENU to exit the menu mode.

At the set time, the alarm will sound for about 10 seconds and the selected note will be played back. During playback, "ALARM" will flash in the display window. Playback will stop at the end of the message.

To cancel the alarm setting before the playback starts
Press STOP while the alarm sound is heard. You can stop even when the HOLD switch is set to ON.

Notes
• You cannot set the alarm if you have not set the clock.
• If you wish to set the alarm to play back the messages in the secret file when the secret function is set to ON, first enter the ID code to unlock the secret file (see page 13) and proceed with the alarm setting while "UNLOCKED" is being displayed, or cancel the secret setting (see page 13).
• If you try to set the alarm to play back a message at a previously set time, "AlreadySet" will be displayed, preventing new settings.
• If the alarm time comes while another message is being played back with an alarm, the playback stops and and the new message will be played back.
• If more than one alarm time comes during recording, only the first message will be played back.
• If you erase the message you set the alarm to play back, the alarm setting will be cancelled.
• You can adjust the playback volume with the VOL control.
• Alarm setting will not be cancelled when the alarm playback finishes. To cancel alarm setting, see "To cancel the alarm setting before the playback starts" above.

English

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Sounding a Beep Sound after a Desired Duration — Timer Function

You can choose a duration from 120 minutes down to 1 minute. See illustrations on page 34 in the Japanese instruction manual.

1. Press MENU to enter the menu mode.
2. Turn the jog dial to display "TIMER OFF (or ON)" and press the jog dial.
3. Turn the jog dial to display "TIMER ON" and press the jog dial.
   "TIMER" and the remaining minutes will be displayed.
4. Set the timer.
   1. Press the jog dial to set the remaining minutes.
      You can choose a number between 120 and 1.
   2. Press the jog dial.
      "TIMER ON " will be displayed to indicate that the setting has been completed.
5. Press MENU to exit the menu mode.

After a few seconds, the display will change to the remaining minute display.
The number will decrease by one every minute until 1 minute and every second after that.

At the 0 second, "TIMER 0S" will flash and a beep sound will sound for one minute.

To stop the beep sound
Press STOP.

Preventing Accidental Operation — HOLD Function

See illustration on page 36 in the Japanese instruction manual.

Slide the HOLD switch in the direction of the arrow. "HOLD" is displayed, indicating that all the functions of the buttons are locked, except for STOP to stop an alarm. To cancel the HOLD function, simply slide the HOLD switch in the opposite direction.

Note
• When the HOLD function is activated, any alarm that has been set will still be heard.

Selecting the Recording Mode

See illustrations on page 37 in the Japanese instruction manual.

Rec Mode SP:
   You can make up to 16 minutes of recording with better sound.
Rec Mode LP:
   You can make up to 24 minutes of recording.

1 Press MENU to enter the menu mode.
2 Turn the jog dial to display "RecMode SP (or LP)" and press the dial.
   "SP (or LP)" will flash.
3 Turn the jog dial to select "SP" or "LP" and press the dial.
   Now the setting is completed.
4 Press MENU to exit the menu mode.

Turning off the Beep Sound

See illustrations on page 38 in the Japanese instruction manual.

BEEP ON:
   A beep will sound to indicate that operation has been accepted.
BEEP OFF:
   No beep sound will be heard except for the alarm and timer.

1 Press MENU to enter the menu mode.
2 Turn the jog dial to display "BEEP ON (or OFF)" and press the jog dial.
   "ON (or OFF)" will flash.
3 Turn the jog dial to select "ON" or "OFF" and press the jog dial.
   The setting is completed.
4 Press MENU to exit the menu mode.

What beep sound means

Beep patterns	Meaning
- (single tone)	Usual mode
-- (double tone)	Enter/exit special mode
--- (triple tone)	Notice*
---- ---- (continuous tone)	Alarm or timer set time has come

* This pattern lets you know the procedure is wrong or informs you of some messages, such as:
   – you are trying to record a message when you have already recorded up to the maximum recordable time or the maximum number of messages.
   – the unit has stopped functioning due to lack of battery power.

Selecting the Microphone Sensitivity

See illustrations on page 40 in the Japanese instruction manual.

MIC SENS H:
   High sensitivity. Enables you to record with clearer sound. Selecting this position is recommended for usual recording.
MIC SENS L:
   Low sensitivity. Select this mode to eliminate the noisy sound in the background. (Speak closely to the microphone when recording.)

English

1 Press MENU to enter the menu mode.
2 Turn the jog dial to display "MIC SENS H (or L)" and press the jog dial.
"H (or L)" will flash.
3 Turn the jog dial to select "H" or "L" and press the jog dial.
Now the setting is completed.
4 Press MENU to exit the menu mode.

Playing Back All Messages in a File Continuously

CONT ON:
> You can play back all messages in a file continuously.

CONT OFF:
> Playback stops at the end of each message.

1 Press MENU to enter the menu mode.
2 Turn the jog dial to display "CONT OFF (or ON)" and press the jog dial.
"OFF (or ON)" will flash.
3 Turn the jog dial to select "ON" or "OFF" and press the jog dial.
Now the setting is completed.
4 Press MENU to exit the menu mode.

Selecting the Illumination Mode of LCD Back Light

LIGHT OPR:
> The display window is illuminated for 3 seconds after each operation.

LIGHT ALL:
> The display window is illuminated at all times during operation.

1 Press MENU to enter the menu mode.
2 Turn the jog dial to display "LIGHT OPR (or ALL)" and press the jog dial.
"OPR (or ALL)" will flash.
3 Turn the jog dial to select "OPR" or "ALL" and press the jog dial.
Now the setting is completed.
4 Press MENU to exit the menu mode.

When the unit is not being operated (when the display shows the current time), you can illuminate the display window by pressing STOP. This enables you to check the time even in a dark place.

Additional Information

Precautions

On power
• Operate the unit only on 3 V DC. Use two size AAA (LR03) alkaline batteries.

On safety
• Do not operate the unit while driving, cycling or operating any motorized vehicle.

On handling
• 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.

On noise
• Noise may be heard when the unit is placed near an AC power source, a fluorescent lamp or a mobile phone during recording or playback.

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.

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

English

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Specifications

Recording media
Built-in flash memory,
Monaural recording
Recording time
SP: 16 minutes
LP: 24 minutes
Frequency response
SP: 250 Hz - 3,500 Hz
LP: 250 Hz - 2,400 Hz
Speaker approx. 2.8 cm (1 1/8 in.) dia.
Power output
70 mw
Output Earphone jack (mini jack) for 8 - 300 ohms earphone
Input Microphone jack (mini jack, monaural)
Plug in power
Minimum input level 0.3 mV
3 kilohms or lower impedance microphone
Digital I/O connector (15-pin)
Power requirements
Two size AAA (LR03) alkaline batteries: 3 V DC
Dimensions (w/h/d)
(incl. projecting parts and controls)
$57.4 \times 85 \times 23.2$ mm
$(2\,^3/_8 \times 3\,^3/_8 \times ^{15}/_{16}$ in.)
Weight (not incl. batteries)
Approx. 50 g (1.8 oz)
Supplied accessories
Hand strap $\times$ 1
(attached to the unit)
Size AAA (LR03) alkaline battery $\times$ 2

Optional accessories
Active speaker SRS-T1
Connecting cable RK-G64HG
WAV LINK software (available in spring '98)
• For IBM PC/AT* or compatible PC
• For Windows®95/Windows®3.1** (English version)
• To play back messages on the computer, a sound board must be installed in the computer.
• If an English version OS is installed in your computer, please purchase an English version WAV LINK software .

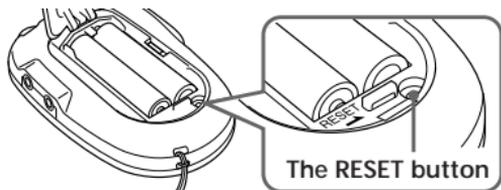Design and specifications are subject to change without notice.

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Troubleshooting

Should any problem persist after you have made these checks, consult your nearest Sony dealer.

Symptom	Remedy
The unit does not operate.	• The batteries have been inserted with incorrect polarity. • The batteries are weak. • The battery compartment lid is not closed completely. • The buttons are locked with the HOLD switch.
No sound comes from the speaker.	• The earphone is plugged in. • The volume is turned down completely.
Noise is heard.	• Plug of the connected microphone was dirty when recording. Clean the plug. • Earphone plug is dirty. Clean the plug.
Recording level is low.	• Microphone sensitivity is set to "MIC SENS L". Set it to "MIC SENS H" (see page 17).
Recording automatically stops.	• Advanced VOR (page 10) is activated. Set it to "VOR OFF" when you do not need it.
"--:-- --" is displayed.	• You have not set the clock.
"- -M - -D" is displayed on the REC DATE display.	• The date of recording will not be displayed if you recorded the message when the clock was not set.
The index number shows "--/--".	• The messages in the SECRET file have been locked. Cancel the secret setting (See page 14).
The unit does not operate correctly.	• Press the RESET button with a pen point. The unit will be reset to the initial setting. The recorded messages, however, will not be erased and the alarm setting will not be cancelled.

The RESET button

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Menu map

Press MENU to enter the menu mode.

☐ : Initial setting

ALARM* (See page 14.) → ON / **OFF**

TIMER (See page 16.) → ON / **OFF** → 1M ⇄ 120M

SECRET (See page 13.) → ON / **OFF**

RecMode (See page 16.) → **SP** / LP

BEEP (See page 17.) → **ON** / OFF

VOR (See page 10.) → ON / **OFF**

MIC SENS (See page 17.) → **H** / L

CONT (See page 18.) → ON / **OFF**

LIGHT (See page 18.) → **OPR** / ALL

DATE&TIME (See page 5.) → Year → Month → Day → Hour → Minute

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         ┌──────┐   ┌───────┐ ┌─────┐ ┌──────┐ ┌────────┐
─────────│ DATE │──▶│ Month │▶│ Day │▶│ Hour │▶│ Minute │
         └──────┘   └───────┘ └─────┘ └──────┘ └────────┘
            ▲▼
      ┌──────────┐                    ┌──────┐ ┌────────┐
      │  MONDAY  │───────────────────▶│ Hour │▶│ Minute │
      └──────────┘                    └──────┘ └────────┘
            ▲▼
      ┌──────────┐                    ┌──────┐ ┌────────┐
      │ TUESDAY  │───────────────────▶│ Hour │▶│ Minute │
      └──────────┘                    └──────┘ └────────┘
            ▲▼
      ┌──────────┐                    ┌──────┐ ┌────────┐
      │WEDNESDAY │───────────────────▶│ Hour │▶│ Minute │
      └──────────┘                    └──────┘ └────────┘
            ▲▼
      ┌──────────┐                    ┌──────┐ ┌────────┐
      │ THURSDAY │───────────────────▶│ Hour │▶│ Minute │
      └──────────┘                    └──────┘ └────────┘
            ▲▼
      ┌──────────┐                    ┌──────┐ ┌────────┐
      │  FRIDAY  │───────────────────▶│ Hour │▶│ Minute │
      └──────────┘                    └──────┘ └────────┘
            ▲▼
      ┌──────────┐                    ┌──────┐ ┌────────┐
      │ SATURDAY │───────────────────▶│ Hour │▶│ Minute │
      └──────────┘                    └──────┘ └────────┘
            ▲▼
      ┌──────────┐                    ┌──────┐ ┌────────┐
      │  SUNDAY  │───────────────────▶│ Hour │▶│ Minute │
      └──────────┘                    └──────┘ └────────┘
            ▲▼
      ┌──────────┐                    ┌──────┐ ┌────────┐
      │ EVERYDAY │───────────────────▶│ Hour │▶│ Minute │
      └──────────┘                    └──────┘ └────────┘
```

Menu Map

* The "ALARM" display will not appear if you have not set the date and time or if there is no recorded message.

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