

IC Recorder

Operating Instructions

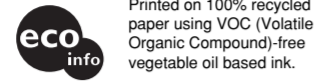
Owner's Record

The model number is located at the rear and the serial number is located inside the battery compartment. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. _____ Serial No. _____

IC RECORDER ICD-SX46/SX56/SX66

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Printed on 100% recycled paper using VOC (Volatile Organic Compound)-free vegetable oil based ink.

http://www.sony.net/

For the customers in the USA

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.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

If you have any questions about this product, you may call: Sony Customer Information Services Center 1-800-222-7669 or http://www.sony.com/

Declaration of Conformity

Trade Name: SONY
Model: ICD-SX46
Responsible Party: Sony Electronics Inc.
Address: 16530 Via Espinillo, San Diego, CA 92127 U.S.A.

Telephone Number: 858-942-2230
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.

Notice for users

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Sony Corporation reserves the right to make any modification to this manual or the information contained herein at any time without notice.

The software described herein may also be governed by the terms of a separate user license agreement.

- This software is for Windows and cannot be used for Macintosh.
- The supplied connecting cable is for the IC recorders ICD-SX46/SX56/SX66. You cannot connect other IC recorders.

Information

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The "Digital Voice Editor" uses software modules as shown below. Microsoft® DirectX®
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Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)

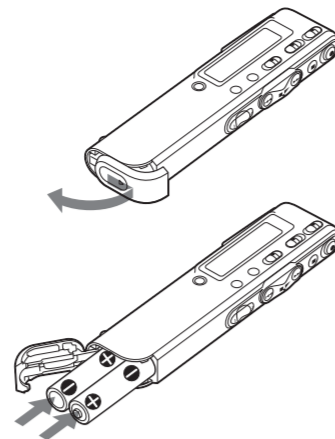
This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local Civic Office; your household waste disposal service or the shop where you purchased the product.

Applicable accessories: Headphones

Getting started

Step 1: Installing the Batteries

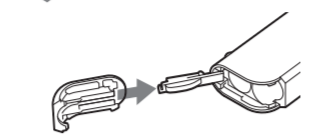
1 Slide and lift the battery compartment lid.



Notes

- Do not use manganese batteries for this unit.
- When you replace the batteries, insert the new ones within 3 minutes after you remove the exhausted ones. Otherwise, the display may show the clock setting display or incorrect date and time when you re-insert the batteries. In this case, set the date and time again. The recorded messages and alarm setting, however, will remain.
- 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.

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



Battery remain indication

The battery indicator on the display window shows the battery condition.

☹ : Replace both of the two batteries with new ones.

☺ : The unit will stop operation.

Battery life* (Using Sony alkaline batteries LR03 (SC))

Recording mode:	ST (Stereo)	STLP	SP	LP
in recording:	Approx. 12 hr.	Approx. 14 hr.	Approx. 16 hr.	Approx. 20 hr.
in playback:	Approx. 9 hr.	Approx. 9 hr.	Approx. 11 hr.	Approx. 13 hr.

* In continuous recording/playback
* When playing back through the internal speaker with the medium volume level
* The battery life may shorten depending on the operation of the unit.

Using on house current (excluding the Korean and the People's Republic of China models)

Connect the AC power adaptor (AC-E30HG (not supplied) to the DC IN 3V jack of the unit and to the wall outlet. Do not use any other AC power adaptor.



Polarity of the plug

Troubleshooting

Before taking the unit for repair, check the following sections. Should any problem persist after you have made these checks, consult your nearest Sony dealer.

The unit does not operate.

- The batteries have been inserted with incorrect polarity.
- The batteries are weak.
- The buttons are locked with the HOLD switch. (If you press any button, "HOLD" will appear for 3 seconds.)

No sound comes from the speaker.

- The headphones are plugged in.
- The volume is turned down completely.

Sound comes from the speaker even when the headphones are plugged in.

- If you plug in the headphones not securely during playback, the sound may come from the speaker. Unplug the headphones and then insert them securely.

The OPR indicator does not light.

- LED in the menu is set to "oFF". Display the menu and set LED to "on".

You cannot start recording.

- The memory is full. Erase some of the messages. Or use the Digital Voice Editor to save the IC recorder messages to the hard disk of your PC.
- 99 messages have already been recorded in the selected folder. Select another folder or erase some of the messages.

You cannot erase a message.

- The message or the folder containing the message is set to "Read-only" in the computer. Display the message or the folder using Windows Explorer and remove the check for "Read-only" under "Properties".
- The remaining memory is too short. The overwritten part will be deleted after the overwriting part finishes recording. Therefore, you can only overwrite within the remaining recording time.
- At a factory setting, REC-OP (recording option) is set to "oFF". Display the menu and set REC-OP to "on".

Recording is interrupted.

- The advanced VOR (Voice Operated Recording) function is activated. Set VOR in the menu to "oFF".

Recording is interrupted (when recording from an external device).

- If you use an audio connecting cable without a resistor to connect the sound source to the IC recorder, sound may be recorded interrupted. Make sure to use a resistance audio connecting cable.

Noise is heard.

- An object, such as your finger, etc., accidentally rubbed or scratched the unit during recording so that noise was recorded.
- The unit was placed near an AC power source, a fluorescent lamp or a mobile phone during recording or playback.
- Plug of the connected microphone was dirty when recording. Clean the plug.
- Headphones plug is dirty. Clean the plug.

Recording level is low.

- SENS (microphone sensitivity) is set to "L". Display the menu and set SENS to "H".
- If it is difficult to hear small sound of a recorded message, slide the VOICE UP switch to "ON". Playback sound may become more audible.

Playback speed is too fast or too slow.

- The playback speed is adjusted in DPC in the menu. Slide the DPC switch to "oFF" or display "DPC" in the menu and adjust the playback speed.

"-:--" is displayed.

• You have not set the clock.

"-Y--M--D" or "-:--:" is displayed on the REC DATE display.

• The date and time of recording will not be displayed if you recorded the message when the clock was not set.

There are fewer menu items in the menu mode.

- There are some menu items which are not displayed while the unit is in recording or playback mode.

You cannot combine messages.

- The bookmark is set for this message. Delete the bookmark, and then combine messages.

Messages are not sorted in order of the number of priority marks in a folder.

- Unless you sort messages using the supplied "Digital Voice Editor" software, messages are displayed in the unit in the same way as specified in the computer. Sort again in the order of the number of priority marks in the computer using the supplied "Digital Voice Editor" software.

The remaining time displayed in the display window is shorter than that displayed in the supplied "Digital Voice Editor" software.

- The unit requires a certain amount of memory for system operation. That amount is subtracted from the remaining time, which is the reason for the difference.

The battery life is short.

The battery life mentioned in "Step 1: Installing the Batteries" is based on playback through internal speaker with the medium volume level (using Sony alkaline batteries LR03(SC)). The battery life may shorten depending on the operation of the unit.

"ACCESS" display does not disappear.

- If the unit is required to process excessive amount of data, "ACCESS" may be displayed for an extended period of time. This is not a malfunction of the unit. Wait until the message disappears.

The unit does not operate correctly.

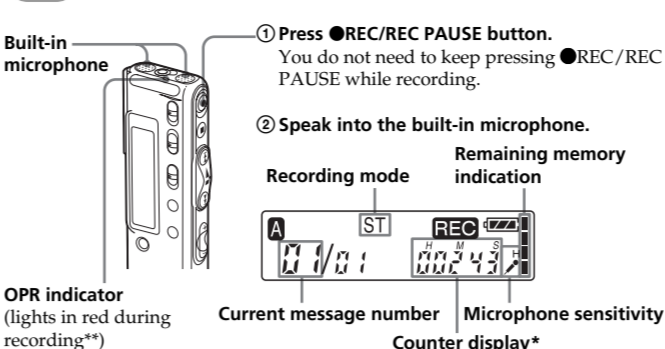
- Take out the batteries and insert them again with correct polarity.

You cannot connect the unit to the PC.

- Refer to the "Digital Voice Editor 2" operating instructions.

Please note that recorded messages may be erased during service or repair work.

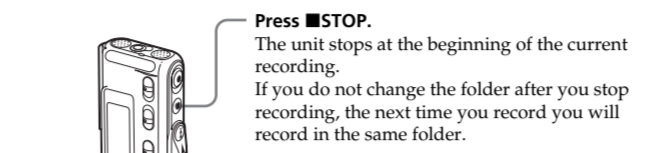
2 Start recording.



* The display selected with DISP* in the menu appears.

**When LED in the menu is set to "oFF", the OPR indicator turns off.

3 Stop recording.



To	Do this
pause recording*	Press ■REC/REC PAUSE. During recording pause, the OPR indicator flashes in red and "PAUSE" flashes in the display window.
release pause and resume recording	Press ■REC/REC PAUSE again. Recording resumes from that point. (To stop recording after pausing recording, press ■STOP.)
review the current recording instantly	Press the jog lever (▶▶). Recording stops and playback starts from the beginning of the message just recorded.
review during recording	Keep pressing the jog lever down (◀◀) during recording or recording pause. Recording stops and you can search backwards while listening to fast playback sound. After you release the jog lever, playback starts from that point. You can add an overwrite recording from that point.

* 1 hour after you pause recording, recording pause is automatically released and the unit goes into the stop mode.

Notes before recording

- Before making a long recording, be sure to check the battery indicator.
- The maximum recording time and the number of messages you can make varies depending on the conditions of use.
- To avoid replacing batteries during long time recording, use the AC power adaptor (not supplied).
- Depending on the areas, available models may differ.
- Noises caused by touching and rubbing may be recorded.
- You cannot record messages in MP3 format using this unit.

Notes on recording

- While the OPR indicator flashes or turns in orange, do not remove the batteries or the AC power adaptor (excluding the Korean and the People's Republic of China models).
- Doing so may damage the data.
- Noise may be recorded if an object, such as your finger, etc., accidentally rubs or scratches the unit during recording.

Tip for using the built-in microphone

Recording a sound centering on a specific direction
To record a sound centering on a specific direction, slide the DIRECTNL switch to "ON" position. When you record a sound at a conference/meeting or in a spacious place etc., use this setting.

Recording a sound not centering on a specific direction (all-directional recording)
Slide the DIRECTNL switch to "oFF" position.

Selecting the sensitivity of the built-in microphone
Select the microphone sensitivity by setting SENS in the menu.

Monitoring the recording
Connect headphones (supplied or not supplied) to the ⏪ (headphones) jack and monitor the recording. You can adjust the volume with VOL +/-, but the recording level is fixed.

Note
If you turn up the volume excessively or place the headphones near the microphone while monitoring the recording, the microphone may pick up the sound from the headphones, causing acoustic feedback (howling sound).

Starting recording automatically in response to the sound — Advanced VOR function

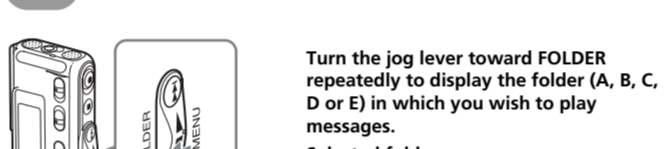
Set VOR in the menu to "on".

Playing Back Messages

When playing back a previously recorded message, start from step 1.

When playing back a message you have just finished recording, start from step 3.

1 Select the folder.

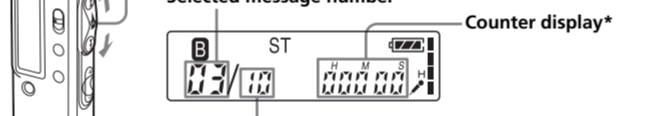


Turn the jog lever toward FOLDER repeatedly to display the folder (A, B, C, D or E) in which you wish to play messages.



Press the jog lever up or down (▶▶/◀◀) to display the desired message number.

- Press up (▶▶): for next message number.
- Press down (◀◀): for previous message number.



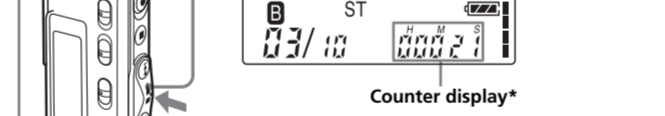
The number of messages in a folder

* The display selected with DISP* in the menu appears.

2 Select the message number.

Press the jog lever up or down (▶▶/◀◀) to display the desired message number.

- Press up (▶▶): for next message number.
- Press down (◀◀): for previous message number.

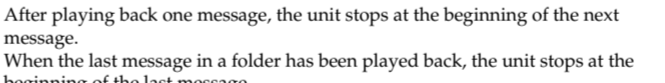


The number of messages in a folder

* The display selected with DISP* in the menu appears.

3 Start playback.

☺ (headphones) jack



Adjust the volume with VOL +/-.

- The display selected with DISP* in the menu appears.
- **When LED in the menu is set to "oFF", the OPR indicator turns off.

After playing back one message, the unit stops at the beginning of the next message. When the last message in a folder has been played back, the unit stops at the beginning of the last message.

To	Do this
stop at the current position (Playback Pause function)	Press ■STOP or the jog lever (■▶▶). To resume playback from that point, press the jog lever (■▶▶) again.
go back to the beginning of the current message*	Press the jog lever down (◀◀) once.**
go back to previous messages	Press the jog lever down (◀◀) repeatedly. (During stop mode, keep the jog lever pressed to go back the messages continuously.)
skip to the next message*	Press the jog lever up (▶▶) once.**
skip to the succeeding messages	Press the jog lever up (▶▶) repeatedly. (During stop mode, keep the jog lever pressed to skip the messages continuously.)

* If you have set a bookmark on the message, the unit stops at the bookmark.

**These operations are for when EASY-S is set to "oFF". For operations when EASY-S is set to "on", see "Operating the Menu".

Operating the Menu

You can use the menu to change the IC recorder settings. During playback and recording, the menu items to be displayed are limited. Follow the procedures below to display the menu and change the settings:

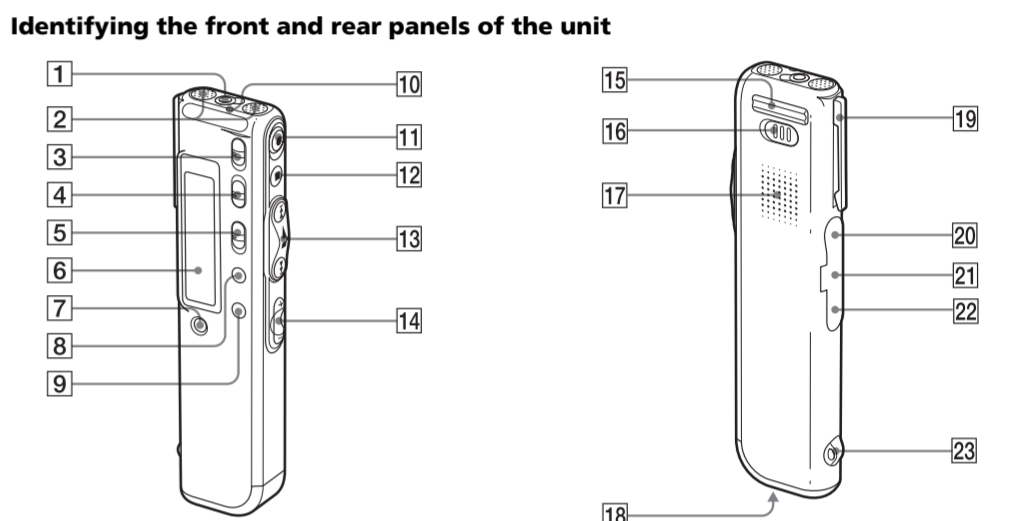
- 1 Turn the jog lever toward MENU. The menu mode will be displayed.
- 2 Press the jog lever up or down (▶▶/◀◀) to select the menu item for which you want to change setting.
- 3 Press the jog lever (■▶▶). The setting mode of the selected menu item will be displayed.
- 4 Press the jog lever up or down (▶▶/◀◀) to select the setting that you want to set, and then press the jog lever (■▶▶). The setting will be changed.
- 5 Turn the jog lever toward MENU to exit the menu mode. The window will return to normal display.

Note
If you do not press any keys for one minute, the menu mode is automatically cancelled and the window will return to normal display.

Menu items	Settings (*: Initial setting)	Stop/Play/Rec**
MODE	Displays the window to set the recording mode: ST*: You can record with high-quality stereo sound. STLP: You can record with stereo sound for longer time. SP: You can record with better sound (monaural sound). LP: You can record for longer time (monaural sound). Note: The DIRECTNL switch functions only in the "SP" or "LP" recording mode. In the ST or STLP modes where the high-performance sound reproduction is important, sound is recorded in the stereo mode without regard to the DIRECTNL switch "ON"/"OFF" position.	OK/-/--
SENS	Displays the window to set the microphone sensitivity. H* (high): To record at meetings or in a quiet and/or spacious place. L (low): To record dictation or in a noisy place.	OK/-/OK
DISP	Displays the window to change the display mode (COUNTER*) . See "Selecting the Display Mode" on the reverse.	OK/OK/OK
VOR	Displays the window to set the VOR (Voice Operated Recording) function. on: The VOR function is activated. Recording starts when the unit detects sound and stops when no sound is heard, eliminating recording from soundless period. off: The VOR function is disabled. Normal recording operation is selected. Notes: • VOR function is affected by the sound around you. Set SENS in the menu according to the recording conditions. If recording is not satisfactory after you have changed the microphone sensitivity, or for important recording, set VOR to "oFF". • When recording with the VOR function set to "on" in LP mode, the time display in the REM (remaining time) mode may not be correct (ICD-SX66 only).	OK/-/OK
DPC	Displays the window to set the playback speed (on/oFF (0%*)) . See "Adjusting the Playback Speed — DPC" on the reverse.	OK/OK/-
EASY-S	Displays the window to set the easy search function. on: You can go back for approx. 3 seconds by pressing the jog lever down (◀◀), or advance for approx. 10 seconds by pressing the jog lever up (▶▶). oFF: You can go back or forward the messages by pressing the jog lever down or up (▶▶/◀◀).	OK/-/--
CONT	Displays the window to set the continuous play. on: You can play back all messages in a folder continuously. oFF: Playback stops at the end of each message.	OK/OK/-
REC-OP	Displays the window to set the adding recording mode (on/oFF*) . See "Using an Adding Recording" on the reverse.	OK/-/--
SET DATE	Displays the window to set the clock (05Y1M1D*) . See "Step 2: Setting the Clock" on the reverse.	OK/-/--
BEEP	on*: A beep will sound to indicate that operation has been accepted. oFF: No beep sound will be heard except for the alarm.	OK/-/--
LED	Displays the window to turn on or off the OPR indicator during operation (on/oFF*) . See "Turning off the OPR indicator (LED)" on the reverse.	OK/-/--
ALARM	Displays the window to set the alarm (on/oFF*) . See "Playing Back a Message at a Desired Time with an Alarm" on the reverse.	OK/-/--

**Displays whether you can change the setting in each operation mode (Stop: stop mode/Play: playback mode/Rec: recording mode). *OK: shows the setting can be changed and -/-- shows the setting cannot be changed.

Index to Parts and Controls



- 1 ☺ (headphones) jack
- 2 Built-in microphone
- 3 DIRECTNL (directional) switch
- 4 VOICE UP (Digital Voice Up) switch
- 5 DPC ON/OFF switch
- 6 Display window
- 7 ERASE button
- 8 DIVIDE +/- (bookmark) button
- 9 A-B ◀ (repeat/PRIORITY button
- 10 OPR (operation) indicator
- 11 ■REC (record) / REC PAUSE button
- 12 ■STOP button
- 13 Jog lever
- 14 FOLDER/MENU/◀◀ (review/fast backward) / ▶▶ (play/stop/center)
- 15 VOL (volume) +/- buttons

- 16 Base
- 17 HOLD switch
- 18 Speaker
- 19 Battery compartment
- 20 Clip*
- 21 ⏪ (microphone) jack
- 22 USB connector
- 23 DC IN 3V Jack (For Korean and the People's Republic of China models, this jack does not exist.)
- 24 Slit for a handstrap

- *Notes
- To prevent the clip from breaking, avoid hooking it on thick fabric, such as a pocket of a heavy coat.
- When bending down or running

