



IC Recorder

Operating Instructions

ICD-BX022

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http://www.sony.net/

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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

The following FCC statement applies only to the version of this model manufactured for sale in the USA. Other versions may not comply with FCC technical regulations.

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.

For the customers in Canada

This class B digital apparatus complies with Canadian ICES-003.

Troubleshooting

Troubleshooting

Before taking the IC recorder for repair, check the following sections. Should any problem persist after you have made these checks, consult your nearest Sony dealer. Please note that recorded messages may be erased during service or repair work.

Display does not disappear. Display appears blurred.

- Remove the protective film on the display window before you use the IC recorder.

The IC recorder does not operate.

- The batteries have been inserted with incorrect polarity.
- The batteries are weak.

No sound comes from the speaker.

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

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.

Recording is interrupted.

- The VOR function is activated. Set "VOR" to "OFF" in the menu. For details, see "Menu settings" on the reverse side of this paper.

Noise is heard.

- Plug of the connected microphone was dirty when recording. Clean the plug.
- The plug of the connected headphones is dirty. Clean the plug.

Playback speed is too fast or too slow.

- The playback speed is adjusted in DPC. Adjust the speed in DPC again in the menu. For details, see "Menu settings" on the reverse side of this paper.

"--:--" is displayed.

- You have not set the clock.

"--Y--M--D" or "--:--" 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. For details, see "Menu settings" on the reverse side of this paper.

The clock setting is reset.

- You must set the clock every time you replace batteries.

There are fewer menu items displayed in the menu mode.

- The menu items displayed are different depending on the operation modes (stop mode, playback mode and recording mode).

The IC recorder does not operate correctly.

- Take out the batteries and insert them again.

You cannot erase a message.

- You selected a message that has been locked. Set "LOCK" to "OFF" in the menu before erasing the message.

Message List

LO BATT

- Batteries are exhausted. Replace the old batteries with new ones.

FULL (REC flashes at the same time)

- The remaining memory capacity of the IC recorder is insufficient. Erase some messages before recording.

FULL ("99" flashes at the same time)

- As there are already 99 messages in the current folder, you cannot record a new message. Erase some messages or move some messages to other folder before recording.

FULL (folder indicator flashes at the same time)

- As there are already 99 messages in the folder to which you want to move a message, you cannot move the message. Erase some messages before moving.

NO DATA

- The selected folder does not have any messages. You cannot move a message, etc., because of this.

LOCK (flashes at the same time)

- You selected a message that has been locked. You cannot move it, erase it. Set "LOCK" to "OFF" in the menu before editing the message.

ERR ACCESS
ERR 01 – ERR 06

- A system error other than the above has occurred. Remove the batteries and re-insert them.

HOLD

- The HOLD function is activated. Slide the HOLD switch in the direction opposite that of the arrow. For details on the HOLD function, see "Preventing Accidental Operation (HOLD)."

System Limitations

There are some system limitations of the IC recorder. Items as mentioned below are not malfunctions of the IC recorder.

You cannot record messages up to the maximum recording time.

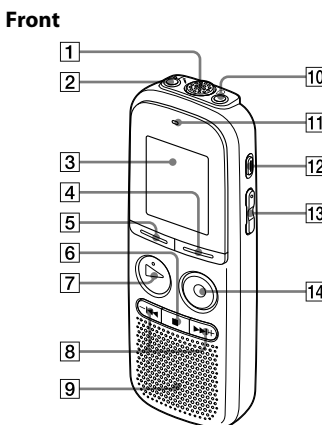
- If you record messages in a mixture of HQ, SP and LP modes, the recordable time varies from the maximum HQ mode recording time to the maximum LP mode recording time.
- The sum of the number on the counter (elapsed recording time) and the remaining recording time may be less than the IC recorder's maximum recording time.

Getting Started

Step 1: Checking the Contents of the Package

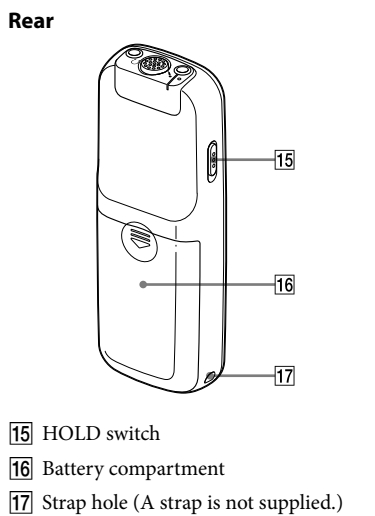
IC Recorder (1)
LR03 (size AAA) alkaline batteries (2)
Operating Instructions

Index to parts and controls



- Front**
- Built-in microphone
 - (microphone) jack*
 - Display window
 - FOLDER button
 - MENU button
 - (stop) button
 - PLAY/STOP•ENTER button*
 - ◀◀ (review/fast backward), ▶▶ (cue/fast forward) button
 - Speaker
 - (headphone) jack
 - Operation indicator
 - ERASE button
 - VOL (volume) -/+* button
 - REC/PAUSE button

- REC (recording) indicator
 - N-CUT (noise cut) indicator
 - Lock indicator
 - EASY-S (easy search) indicator
 - DPC (Digital Pitch Control) indicator
 - VOL (volume) -/+* button
 - REC/PAUSE button
- * These buttons and the jack have a tactile dot. Use it as a reference point for operations, or to identify each terminal.



- Rear**
- HOLD switch
 - Battery compartment
 - Strap hole (A strap is not supplied.)
- Display window**
- Folder indicator
 - Microphone sensitivity
 - Repeat play indicator
 - Selected message number
 - REC DATE (recorded date) indicator
 - REMAIN indicator

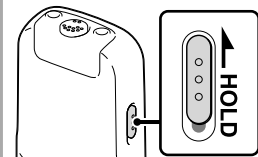
- Folder indicator
Displays the folder (A, B, or C) you have selected.
- Microphone sensitivity
Displays the microphone sensitivity. For details about the settings, see "Menu settings" on the reverse side of this paper.
- Repeat play indicator
Appears when a message is played back repeatedly.
- Selected message number
- REC DATE (recorded date) indicator
The recorded date or time is displayed with the REC DATE indicator.
- REMAIN indicator
When the IC recorder is in the recording or stop mode, the remaining recording time is displayed with the REMAIN indicator, or when the IC recorder is in the playback mode, the remaining time of the current message is displayed with the REMAIN indicator.

- Remaining memory indicator
Displays the remaining memory and decreases one by one during recording.
- Battery indicator
Displays the remaining battery power.
- Recording mode indicator
Displays the recording mode set using the menu when the IC recorder is in the stop mode, and displays the current recording mode when the IC recorder is in the playback mode. For details about the settings, see "Menu settings" on the reverse side of this paper.

- REC (recording) indicator
Appears while the IC recorder is recording.
- N-CUT (noise cut) indicator
Appears when "N-CUT" is set to "ON" in the menu.
- Lock indicator
Appears when "LOCK" is set to "ON" in the menu.
- EASY-S (easy search) indicator
Appears when the "EASY-S" is set to "ON" in the menu.
- DPC (Digital Pitch Control) indicator
Appears when the "DPC" is set to "ON" in the menu.
- Total number of messages in the folder/DPC setting
- Elapsed time/Remaining time/Recorded date or time indication/Message

Preventing Accidental Operation (HOLD)

Locking the buttons



Slide the HOLD switch in the direction of the arrow in the recording or playback mode. When the HOLD function is activated, the yellow marking appears beside the switch. "HOLD" will flash, indicating that all the functions of the buttons are locked.

Unlocking the buttons

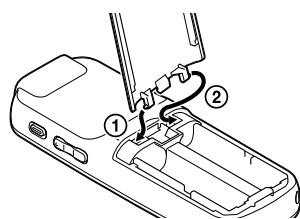
Slide the HOLD switch in the opposite direction from that of the arrow so that all buttons will be unlocked.

Note

When the HOLD function is activated during recording, all the functions of the buttons are locked to prevent accidental operation. To stop recording, cancel the HOLD function first.

Step 2: Preparing a Power Source

Slide and lift the battery compartment lid, insert LR03 (size AAA) alkaline batteries with correct polarity, and close the lid. If the battery compartment lid is accidentally detached, attach it as illustrated.



Tips

- Messages recorded are not erased even when you replace the batteries.
- Even if you do not use the IC recorder, the batteries are consumed slightly. The battery life in this case varies depending on humidity or other environmental conditions. Usually, the batteries last about 2 months. If you do not intend to use the IC recorder for an extended period of time, it is recommended that you turn the power off or remove the batteries.

Notes

- Do not use manganese batteries for this IC recorder.
- When replacing the batteries, be sure to replace both batteries with new ones.

When to replace the batteries

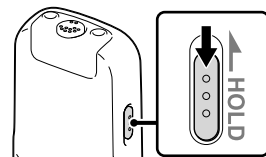
The battery indicator in the display window shows the battery condition.

Battery remain indication

☼☼☼: Replace the current batteries with new ones.

↓
☼☼☼: "LO BATT" flashes and the IC recorder will stop operation.

Step 3: Turning the IC Recorder On



Slide the HOLD switch down in the direction of an arrow.

To turn the power off

When you are not using the IC recorder, you can prevent the batteries from getting weak quickly by turning the power off.

Slide the HOLD switch in the direction of the arrow in the stop mode. "OFF" flashes. The IC recorder turns off within a few seconds.

Tips

- When you are not going to use the IC recorder for a long time, we recommend to turn off the IC recorder.
- When 10 minutes have passed after you have turned on the IC recorder and leave it without doing anything, the display goes off automatically. (Press any button to show the display.)

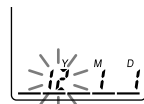
Step 4: Setting the Clock

Remove the protective film on the display window before you use the IC recorder. The clock setting display appears every time you replace batteries, and the approximate time when you last operated the unit before replacing the batteries is displayed. You must set the clock to the current time again.

Setting the clock after preparing a power source

1 Set the year.
Press [◀◀] or [▶▶] to set the year. Select the last two digits of the year.

When you press [▶] PLAY/STOP•ENTER], the cursor moves to the month section.



2 Set the month, day, hour, and minutes in sequence in the same way.
Press [◀◀] or [▶▶] to select the desired figures, and then press [▶] PLAY/STOP•ENTER].

When [■] (stop) is unintentionally pressed during clock setting mode, the clock setting is canceled. Use the menu to set the clock.

Setting the clock using the menu

While the IC recorder is in the stop mode, you can set the clock using the menu.

- Press [MENU] to enter the menu mode. The menu mode will be displayed.
- Press [◀◀] or [▶▶] to select "SET DATE," and then press [▶] PLAY/STOP•ENTER].
- Press [◀◀] or [▶▶] to set the year, month, day, hour, and minute in sequence, and then press [▶] PLAY/STOP•ENTER].
- Press [■] (stop) to exit the menu mode.

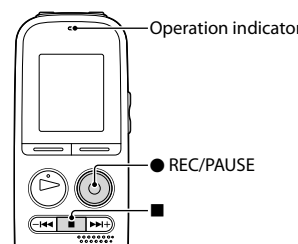
Tip

Press [MENU] to return to the previous operation.

Notes

- You can set the time display for the clock to "12H" (12-hour display) or "24H" (24-hour display) in the "HOUR" menu. When "12H" (12-hour display) is set, "AM" or "PM" appears in the display window.
- If you do not press [▶] PLAY/STOP•ENTER] within 1 minute of entering the clock setting data, the clock setting mode is canceled and the window will return to the stop mode display.

Recording



Selecting a folder

1 Press [FOLDER] to select the folder in which you want to record messages (A, B, or C).

There are 3 folders already available when you purchase the IC recorder. If you do not change the folder after you stop recording, the next time you record you will record in the same folder.

Starting to record

- Turn the built-in microphone in the direction of the source to be recorded.
- Press [●] REC/PAUSE] in the stop mode. The operation indicator lights in red and REC (recording) indicator appears in the display window. The new message will be automatically recorded after the last recorded message.

To stop recording

1 Press [■] (stop).
The IC recorder stops at the beginning of the current recording.

Other operations

To pause recording*
Press [●] REC/PAUSE]. During recording pause, the operation indicator flashes in red and "PAUSE" flashes in the display window.

To release pause and resume recording
Press [●] REC/PAUSE] again. Recording resumes from that point. (To stop recording after pausing recording, press [■] (stop).)

To review the current recording instantly
Press [▶] PLAY/STOP•ENTER]. Recording stops and playback starts from the beginning of the message just recorded.

To review during recording
Press and hold [◀◀] during recording or recording pause. Recording stops and you can search backwards while listening to fast playback sound. After you release [◀◀], playback starts from that point.

* 1 hour after you pause recording, recording pause is automatically released and the IC recorder enters the stop mode.

Tips

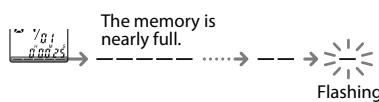
- Messages recorded using this IC recorder will be recorded as MP3 files.
- You can record up to 99 messages in each folder.
- Before you start recording, we recommend you make a trial recording first, or monitor the recording.
- If the recorded sound is too loud and distorted, set the microphone sensitivity to L (Low). On the other hand, if the recorded sound is too little, set the microphone sensitivity to H (High).

Notes

- While the operation indicator is flashing in red, do not remove the batteries. Doing so may damage the data.
- Before making a recording, be sure to check the battery indicator.
- If the IC recorder is accidentally rubbed or scratched with an object, such as your finger, etc., during recording, noise is recorded. Try to avoid touching the window until the recording ends.

Remaining memory indication

During recording, the remaining memory indicator decreases one by one.



When the remaining time of recording reaches 10 minutes, the last one of the indication flashes. If the remaining recording time display mode is selected, the remaining recording time display will also flash when the remaining time reaches 1 minute. The display will be changed automatically to the remaining time display. When the memory is full, recording automatically stops and REC and "FULL" will flash in the display window for about 3 seconds. To continue recording, erase some of the messages first.

Listening

Starting playback

- Press [FOLDER] to select the folder (A, B, or C).
- Press [◀◀] or [▶▶] to select the message you want to play.
- Press [▶] PLAY/STOP•ENTER]. Playback will start soon.
- Press [VOL -/+] to adjust the volume.

To stop playback

1 Press [■] (stop).

Other operations

* The following operations are for when "EASY-S" (Easy Search function) is set to "OFF"

To stop at the current position (Playback Pause function)
Press [▶] PLAY/STOP•ENTER] or [■] (stop)]. To resume playback from that point, press [▶] PLAY/STOP•ENTER] again.

To go back to the beginning of the current message
Press [◀◀] once*.

To go back to previous messages
Press [◀◀] repeatedly. (During stop mode, keep the button pressed to go back the messages continuously.)

To skip to the next message
Press [▶▶] once*.

To skip to the succeeding messages
Press [▶▶] repeatedly. (During stop mode, keep the button pressed to skip the messages continuously.)

Searching forward/backward during playback (Cue/Review)

To search forward (Cue):
Press and hold [▶▶] during playback and release it at the point you wish to resume playback.

To search backward (Review):
Press and hold [◀◀] during playback and release it at the point you wish to resume playback. The IC recorder searches at slow speed with playback sound first. This is useful to check one word forward or back. Then, if you press and hold the button, the IC recorder starts to search at higher speed.

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