

Various Ways of Recording

Adding a Recording to a Message—Post-recording

You can add a recording to a previously recorded picture message without sound.

- You cannot add a recording to a message that contains sound.
- You cannot add a recording if the remaining memory is not long enough. For more information, see "Troubleshooting".

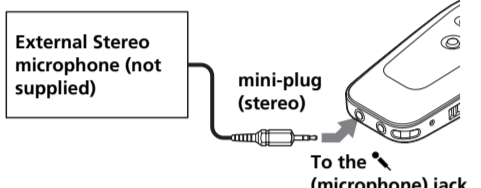
- 1 Rotate the lens mount to the "HOLD off/Camera angle" position, and press **▲** to select "Post-recording".
- 2 Select a desired message without recording sound you want to add a recording.

- 3 Press **MENU** for more than one second, and press **▼** to select "Post-recording". The window to start post-recording is displayed.
- 4 Press **▶**. The window for editing a folder is displayed.

- 5 Press **▲/▼** to select "Start" and press **▶**. The menu mode exists and the recording starts immediately. See "Recording a Message with Images" to proceed with what you can add bookmarks as you like during recording.
- To stop recording
Press **■** (stop) before step 5 or select "Cancel" in step 4.

Recording with an External Microphone or Other Equipment

Recording with an external microphone
Connect an external microphone to the " (microphone) jack. 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.

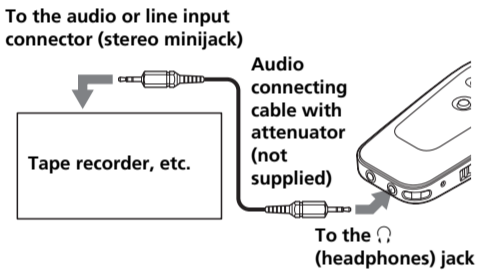


Recommended types of microphones
You can use the ECM-CS10 Sony electret condenser microphone (not supplied).

Recording from other equipment
To record sound of other equipment with the IC recorder, connect the " (interphone) jack of the IC recorder to the (carphone jack of other equipment (tape recorder etc.) by using a resistance audio connecting cable.

Note
If you use an audio connecting cable without a resistor, sound may be recorded interrupted. Make sure to use a resistance audio connecting cable.

Recording with other equipment
To record the sound of the IC recorder with other equipment, connect the " (headphones) jack of the IC recorder to the audio or line input connector (stereo minijack) of other audio equipment.



- 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.

Shooting an Image while Playing Back a Message – Adding Bookmarks

You can shoot an image and add it as a bookmark to a previously recorded message.

- You cannot add a bookmark when the number of bookmarks in a message exceeds the maximum number.
- You cannot add a bookmark if the remaining memory is not long enough. For more information, see "Troubleshooting".

- 1 Open the display cover and rotate the lens mount to the "HOLD off/Camera angle" position. The message list is displayed. If folder list or bookmark list is displayed, press **◀** to switch to the message list view.
- 2 Press **▲/▼** to select the message you want to add a bookmark.

- 3 Press **▶** to start playback of the message.
- 4 Rotate the lens mount to the "HOLD off/Camera on (Open)" or other desired Camera angle position. The live view is loaded in the display window and the unit becomes ready for shooting an image.

- 5 At the desired point you want to shoot an image, press **CAPTURE** to shoot an image. The image is added as a bookmark to a message. To load the live view again, press **▶** (camera) to turn on the live view again in the display window.
- 6 Repeat steps to add bookmarks.

- 7 Press **■** (stop). The added bookmarks in the bookmark list view.

To stop playback
Press **■** (stop).

Shooting an Image (Bookmark) as a New Message—Picture Message

You can shoot an image in stop mode and record the image (bookmark) as a new message without recorded sound (picture message). You can record only one image for a message. Sound can be added later. See "Adding a Recording to a Picture Message—Post-recording" for the details.

Note
You cannot record a picture message if the remaining memory is not long enough or the maximum number of messages have already been recorded in the folder.

- 1 Open the display cover and rotate the lens mount to the "Camera on (Open)" or other desired Camera angle position. The live view is loaded in the display window and the unit becomes ready for shooting an image.
- 2 Press **CAPTURE** to shoot an image. The image is saved as a new message without sound (picture message). The image is displayed as the title image of the message in the message list and in the bookmark list.

Shooting for Your Own View – Self Position

You can turn the lens towards you and shoot self view of an image.

Open the display cover and rotate the lens mount fully until it clicks into the "Camera on (Self)" position. The lens faces toward you and the live view is loaded in the display window and the unit becomes ready for shooting an image.



Using the Digital Zoom Feature

You can zoom in and out an image using the digital zoom process.

- During live view, press ▶/◀.**
For zooming in an image, press **▶**. The zoom scaling indicator is enlarged (up to x8). The zoom scaling indicator moves to the "W" (wide-scale) end.
For zooming out an image, press **◀**. The zoom scaling indicator is reduced (up to x1). The zoom scaling indicator moves to the "T" (telephoto) end.
- Tip
You can also use the digital zoom function during shooting close-ups (Macro).

Shooting Close-ups – Macro

For close-ups of small subjects, you can shoot an image with the macro feature.

- During live view, slide the Macro switch to "M" (Macro) position.**
The Macro "M" indicator appears on the display window.
- During live view, slide the Macro switch to "N" (Normal) position.**
The Macro "M" indicator disappears from the display window.

Note
Except for shooting close-ups, we recommend you shoot an image in the normal shooting mode.

You can select the counter display mode for the stop, recording and playback modes as follows:

- 1 Press **MENU** for more than one second, and press **▼** to select "Display Set". The display setting window is displayed.
- 2 Press **▶**. The counter display mode setting window is displayed.
- 3 Press **▲/▼** to select "Counter" and press **▶**. The counter display mode setting window is displayed.

Elapse Time: Displays the elapsed playback/recording time of one message.

Remaining Time: Displays the remaining time of the message in the playback mode and the remaining recordable time in the stop and recording modes.

REC date*: Displays the year, month and day when the message was recorded.

REC Time*: Displays the hours and minutes when the message is recorded.

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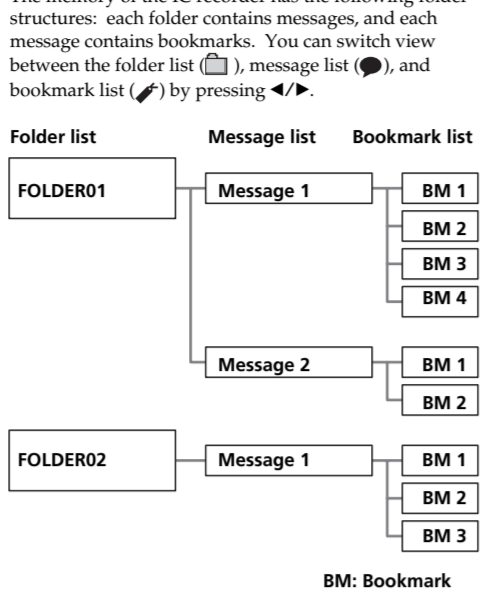
* If the clock has not been set, "----" will be displayed. ** If the clock has not been set, "----" will be displayed.

Various Ways of Playback

Searching for a Bookmark, Message or Folder

You can locate the message or point you wish to start playback by switching the view and searching for a bookmark, message, or folder.

About the folder structures of messages
The memory of the IC recorder has the following folder structures. Each folder contains messages, and each message contains bookmarks. You can switch view between the folder list (F), message list (M), and bookmark list (B) by pressing **◀/▶**.



Switching the view and searching for a message or bookmark
You can switch the view between the folder, message and bookmark lists and search for a message or bookmark as follows:

- 1 Display the folder list (F) tab. If the (F) (folder) tab is not displayed, press **▶** until the folder list is displayed. * You can display a long folder name by scrolling the cursor.
- 2 Press **▲/▼** to select the desired folder. The cursor moves to the direction you press the key (**▲/▼/▶/◀**). When you keep pressing **▲/▼**, you can scroll the pages.
- 3 Press **▶**. The messages in the selected folder are listed—Message list (M).
- 4 Press **▲/▼** to select the desired message. If you keep the button pressed, you can search at a higher speed. If the unit reaches the first or the last message in a folder, it searches from the list or beginning message of the folder again.

- 5 To search for a bookmark, press **▶**. The bookmarks contained in the selected message are displayed. The position of the bookmark being selected is marked with **W** on the slider.
- 6 Press **▲/▼** to select the desired bookmark. If you keep the button pressed, you can search at a higher speed. If the unit reaches the first or the last bookmark in a message, it searches from the last or beginning bookmark of the previous or next message continuously.

To play the selected bookmark
Press **▶** to start playback of the bookmark. The units played back are listed—Message list (M).

To display a bookmark image in full-screen
If you shoot an image and add one or more bookmarks to the message, the first image you shot is specified as title image and displayed in the message list.

BM with the sample image
The list of template folder names is displayed.

▶ (stop) to exit the menu mode.

Changing the Counter Display

You can select the title image for a message as follows:

- 1 Press **MENU** for more than one second, and press **▼** to select "Display Set". The display setting window is displayed.
- 2 Press **▶**. The display setting window is displayed.
- 3 Press **▲/▼** to select "Title Image" and press **▶**. The title image selection window is displayed.

REC date*: Displays the year, month and day when the message was recorded.

REC Time*: Displays the hours and minutes when the message is recorded.

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* If the clock has not been set, "----" will be displayed. ** If the clock has not been set, "----" will be displayed.

Playing back the Section between the two Bookmarks – Bookmark Repeat

You can specify a bookmark and play back the section between the specified bookmark and the next bookmark repeatedly—Bookmark Repeat.

Selecting the Bookmark Repeat playback mode

- 1 Press **MENU** for more than one second, and press **▼** to select "Playback Set". The playback setting window is displayed.
- 2 Press **▶**. The bookmark repeat mode setting window is displayed.
- 3 Press **▲/▼** to select "Bookmark Repeat" and press **▶**. The bookmark repeat mode setting window is displayed.
- 4 Press **▲/▼** to select "ON" and press **▶**. The "C" (repeat) appears in the display window.
- 5 Press **■** (stop) to exit the menu mode. The "C" (repeat) appears in the display window.

Playing back between the two bookmarks

- 1 In the bookmark list, press **▶** to select the bookmark that you want to start playback. For how to specify the bookmark, see "Searching for a Bookmark, Message or Folder".
- 2 Press **▶**. The section between the selected bookmark and the next bookmark will be played back repeatedly.
- 3 Press **▶**. The cursor moves to the direction you press the key (**▲/▼/▶/◀**). When you keep pressing **▲/▼**, you can scroll the pages.
- 4 Press **▶**. The cursor moves to the direction you press the key (**▲/▼/▶/◀**). When you keep pressing **▲/▼**, you can scroll the pages.

To stop repeat playback
Press **■** (stop). The section between the selected bookmark and the next bookmark will be played back repeatedly.

Editing Messages

Note
Depending on the folder icon you choose, there is no associated name. If you edit folder icons and names, folder icons and names will not be associated.

Changing a folder name
Folders have been labeled automatically with double figures or letters like "FOLDER04" or "FOLDERAB", but you can label folders as you like by using template names.

- 1 Select the folder you want to change the name.
- 2 Press **MENU** for more than one second, and press **▼** to select "Folder Settings". The window for editing a folder is displayed.
- 3 Press **▶**. The window for editing a folder is displayed.
- 4 Press **▲/▼** to select "Folder Name" and press **▶**. The list of template folder names is displayed.
- 5 Press **▲/▼** to select a folder name and press **▶**.
- 6 Press **■** (stop) to exit the menu mode. The folder is labeled with the selected name and its associated icon.

Note
You can also label a folder using the supplied "Visual and Voice Editor" software. For the details, see the help of the Visual and Voice Editor. Some characters that the unit does not support will not be displayed properly.

- 1 Select the message for which you want to select the title image.
- 2 Press **MENU** for more than one second, and press **▼** to select "Display Set". The display setting window is displayed.
- 3 Press **▶**. The title image selection window is displayed.
- 4 Press **▲/▼** to select "Title Image" and press **▶**. The list of template folder names is displayed.
- 5 Press **▲/▼** to select a folder name and press **▶**.
- 6 Press **■** (stop) to exit the menu mode. The folder is labeled with the selected name and its associated icon.

Note
You can also label a folder using the supplied "Visual and Voice Editor" software. For the details, see the help of the Visual and Voice Editor. Some characters that the unit does not support will not be displayed properly.

- 1 Press **MENU** for more than one second, and press **▼** to select "Erase". The erase menu is displayed.
- 2 Press **▶**. The erase menu is displayed.
- 3 Press **▶**. The erase menu is displayed.
- 4 Press **▲/▼** to select "Erase Message 3" and press **▶**. The confirmation message is displayed.
- 5 Press **▲/▼** to select "Yes" and press **▶**. The message is erased.
- 6 Press **■** (stop) to exit the menu mode. The remaining messages are remembered.

Erasing Messages or Bookmarks

Note
• Once a message or bookmark has been erased, you cannot retrieve it.
• When you erase a message, both the sound and image data (bookmarks) registered in the message will be erased.

Erasing messages one by one
You can erase unnecessary messages one by one. When a message is erased, the remaining messages will advance and be renumbered so that there will be no space between messages.

Erasing a bookmark
You can erase a bookmark in a message.

- 1 Select the message whose bookmark you want to erase.
- 2 Press **MENU** for more than one second, and press **▼** to select "Erase". The erase menu is displayed.
- 3 Press **▶**. The erase menu is displayed.
- 4 Press **▲/▼** to select "Bookmark" and press **▶**. The bookmark list of the selected message is displayed. The bookmark selected before step 2 is selected. The first and last parts of the bookmark will be played back repeatedly for confirmation.
- 5 Press **▲/▼** to select the bookmark you want to erase.
- 6 Press **▶**. The confirmation message is displayed.
- 7 Press **▲/▼** to select "Yes" and press **▶**. The bookmark is erased.
- 8 Press **■** (stop) to exit the menu mode. The message list is displayed.

Note
• If you specify an image of a picture message, the message itself will be erased.
• If you erase a bookmark with shot image at the beginning of the message, the default bookmark with the sample image is added.
• You cannot erase the bookmark with the sample image at the beginning of the message.

To cancel erasing
Press **■** (stop) before step 5.

Erasing an Icon and Name of a Folder

You can erase all recorded messages in a folder.

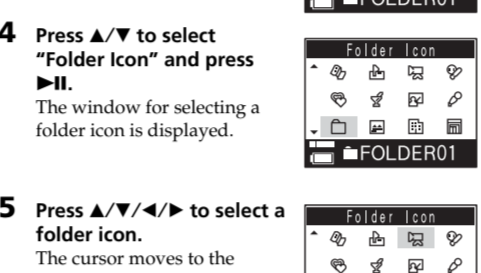
- 1 Select the folder you want to erase. You can select a folder in the folder list or the display folder.
- 2 Press **MENU** for more than one second, and press **▼** to select "Erase". The erase menu is displayed.
- 3 Press **▶**. The erase menu is displayed.
- 4 Press **▲/▼** to select "All in Folder" and press **▶**. The confirmation window is displayed.
- 5 Press **▲/▼** to select "Yes" and press **▶**. All the recorded messages contained in the folder are erased. The folder itself will not be erased.
- 6 Press **■** (stop) to exit the menu mode. The confirmation message is displayed.



Changing a folder icon
Folders are automatically attached with the folder icon (F). You can select the desired folder icon from the templates.

- 1 Select the folder you want to change its icon.
- 2 Press **MENU** for more than one second, and press **▼** to select "Folder Settings". The window for editing a folder is displayed.
- 3 Press **▶**. The window for editing a folder is displayed.
- 4 Press **▲/▼** to select "Folder Icon" and press **▶**. The window for selecting a folder icon is displayed.
- 5 Press **▲/▼/▶/◀** to select a folder icon. The cursor moves to the direction you press the key (**▲/▼/▶/◀**). When you keep pressing **▲/▼**, you can scroll the pages.
- 6 Press **▶**. The folder is labeled with the selected name and its associated name.

Erasing a section between two bookmarks
You can specify a bookmark and erase the section between the specified and the next bookmarks in a message after purchasing.



Note
If a folder contains a lot of messages, it may take long to erase all the messages.

- 1 Select the message whose section you want to erase.
- 2 If there are no bookmarks for the section, add a bookmark at the beginning of the section. You want to erase, and another bookmark at the end of the section. For adding bookmarks, see "Shooting an Image while Playing Back a Message—Adding Bookmarks".
- 3 Press **MENU** for more than one second, and press **▼** to select "Erase". The erase menu is displayed.
- 4 Press **▶**. The erase menu is displayed.
- 5 Press **▲/▼** to select "Section" and press **▶**. The bookmarks list of the selected message is displayed. The bookmark selected before step 3 is selected. The first and last parts of the selected section is played back repeatedly for confirmation.
- 6 Press **▲/▼** to select the bookmark for the starting point of the section you want to erase.
- 7 Press **▶**. The window to select an image to save as a remaining bookmark is displayed. Among the images of the two bookmarks, you can select one for a new bookmark.

Note
If a bookmark without image is included for the section, the screen to select a bookmark (steps 8 and 9) will not be displayed.

- 8 Press **▲/▼** to select the desired image for a bookmark and press **▶**. The confirmation message is displayed.
- 9 Press **▲/▼** to select "Yes" and press **▶**. The section is erased. The selected image is saved as a new bookmark.
- 10 Press **■** (stop) to exit the menu mode. The confirmation message is displayed.

Note
• You cannot use the software with a Macintosh machine.
• A handheld computer, a PC whose operating system is installed or upgraded by the user, or a PC with multi-boot operating environment are not supported.

Preventing Accidental Operation – HOLD Function
Rotate the lens mount to the "HOLD" position. "HOLD" will flash for 3 seconds, indicating that all the functions of the buttons are locked. Then all the display will be turned off after "HOLD" flashes.

Note
• During recording and playback: recording or playback continues but the functions of the buttons are locked. The live view mode, if activated, will be turned off.
• During stop: The unit enters into the standby mode. The display will be turned off in approximately 3 seconds after you rotate the lens mount to "HOLD" position and the "HOLD" flash.

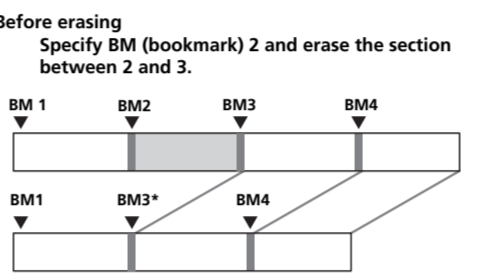
To cancel the HOLD function
Rotate the lens mount to the "HOLD off/Camera off" position, "Camera on (Open)", or "Camera on (Self)" position.

Erasing all messages in a folder

You can erase all recorded messages in a folder.

- 1 Select the folder you want to erase. You can select a folder in the folder list or the display folder.
- 2 Press **MENU** for more than one second, and press **▼** to select "Erase". The erase menu is displayed.
- 3 Press **▶**. The erase menu is displayed.
- 4 Press **▲/▼** to select "All in Folder" and press **▶**. The confirmation window is displayed.
- 5 Press **▲/▼** to select "Yes" and press **▶**. All the recorded messages contained in the folder are erased. The folder itself will not be erased.
- 6 Press **■** (stop) to exit the menu mode. The confirmation message is displayed.

Erasing a section between two bookmarks
You can specify a bookmark and erase the section between the specified and the next bookmarks in a message after purchasing.



Note
If a folder contains a lot of messages, it may take long to erase all the messages.

- 1 Select the message whose section you want to erase.
- 2 If there are no bookmarks for the section, add a bookmark at the beginning of the section. You want to erase, and another bookmark at the end of the section. For adding bookmarks, see "Shooting an Image while Playing Back a Message—Adding Bookmarks".
- 3 Press **MENU** for more than one second, and press **▼** to select "Erase". The erase menu is displayed.
- 4 Press **▶**. The erase menu is displayed.
- 5 Press **▲/▼** to select "Section" and press **▶**. The bookmarks list of the selected message is displayed. The bookmark selected before step 3 is selected. The first and last parts of the selected section is played back repeatedly for confirmation.
- 6 Press **▲/▼** to select the bookmark for the starting point of the section you want to erase.
- 7 Press **▶**. The window to select an image to save as a remaining bookmark is displayed. Among the images of the two bookmarks, you can select one for a new bookmark.

Note
If a bookmark without image is included for the section, the screen to select a bookmark (steps 8 and 9) will not be displayed.

- 8 Press **▲/▼** to select the desired image for a bookmark and press **▶**. The confirmation message is displayed.
- 9 Press **▲/▼** to select "Yes" and press **▶**. The section is erased. The selected image is saved as a new bookmark.
- 10 Press **■** (stop) to exit the menu mode. The confirmation message is displayed.

Note
• You cannot use the software with a Macintosh machine.
• A handheld computer, a PC whose operating system is installed or upgraded by the user, or a PC with multi-boot operating environment are not supported.

Preventing Accidental Operation – HOLD Function
Rotate the lens mount to the "HOLD" position. "HOLD" will flash for 3 seconds, indicating that all the functions of the buttons are locked. Then all the display will be turned off after "HOLD" flashes.

Note
• During recording and playback: recording or playback continues but the functions of the buttons are locked. The live view mode, if activated, will be turned off.
• During stop: The unit enters into the standby mode. The display will be turned off in approximately 3 seconds after you rotate the lens mount to "HOLD" position and the "HOLD" flash.

To cancel the HOLD function
Rotate the lens mount to the "HOLD off/Camera off" position, "Camera on (Open)", or "Camera on (Self)" position.

Other Operations

Formatting the Memory

You can format the memory. Formatting will erase all the data recorded in the memory including voice messages, images (bookmarks) and other data and resets the memory to the initial status of 5 folders. Before formatting, check the data in the memory.

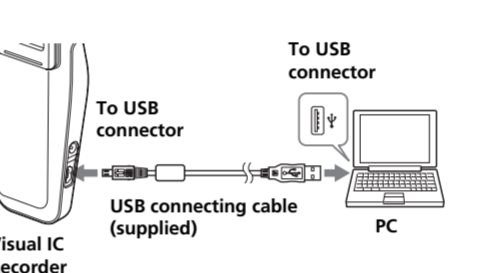
- 1 Press **MENU** for more than one second, and press **▼** to select "Format". The window for executing format is displayed.
- 2 Press **▶**. The window for executing format is displayed.
- 3 Press **▲/▼** to select "Execute" and press **▶**. The confirmation window is displayed.
- 4 Press **▲/▼** to select "Yes" and press **▶**. The confirmation window is displayed.
- 5 Press **■** (stop) to return to the normal display. After formatting, 5 folders (FOLDER01 to FOLDER05) are automatically created in the memory in the same way when you use the unit for the first time after purchasing.

To cancel formatting
Select "Cancel" in step 3 or "No" in step 4.

Connecting to the PC to use the "Visual and Voice Editor" Software

By connecting the IC recorder to your PC, you can use the "Visual and Voice Editor" software to do the following:
• Saving the IC recorder messages on your PC's hard disk.
• Transferring the PC messages back to the IC recorder.
• Playing or editing the messages on your PC.
• Editing the bookmarks.
• Sending a voice-mail recording using MAPI e-mail software.
• Transferring your IC recorder message using Dragon NaturallySpeaking® speech-recognition software (not supplied).
For the details, see the supplied "Visual and Voice Editor" software operating instructions.

Connection
Use the USB connecting cable supplied to connect the USB connectors of the IC recorder and your PC.



When the unit is connected to the PC, "PC Connect" appears on the display window and you can recognize the IC recorder with your PC.

Note
• You can use Windows Explorer to display the data stored in the memory of the IC recorder. When playing, editing, or saving a message, however, please make sure to use the supplied Visual and Voice Editor.
• Do not directly drag and drop a message to the Windows Explorer window. The message cannot be recognized by the IC recorder.
• When you connect the IC recorder to the PC, make sure that "AC/DC" is not displayed in the IC recorder display window.

To set the clock of the unit automatically
When the "Date/Time" in the menu is set to "Auto" and connect the unit to the PC after the Visual and Voice Editor is started, the clock of the unit is automatically set according to the internal clock of your PC.

System requirements
Your PC and system software must meet the following minimum requirements:
• IBM PC/AT or compatible
• CPU: 45MHz Pentium® III processor or higher
• RAM: 128MB or more (256 MB or more is recommended.)
• Hard disk space: 70MB or more depending on the size and number of sound files you store
• CD-ROM drive
• USB port (The unit supports Hi-Speed USB.)
• Sound board: Sound Blaster 16 compatible.
• Display: High color (16 bits) or more and 800 x 480 dots or more
• OS: Microsoft® Windows® XP Media Center Edition 2005/Windows® XP Media Center Edition 2004/Windows® XP Professional/Windows® XP Home Edition/Windows® 2000 Professional/Windows® Millennium Edition/Windows® 98 Second Edition standard installation (You cannot use this software with Windows® 98, Windows® 95 or Windows® NT.)

Note
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• A handheld computer, a PC whose operating system is installed or upgraded by the user, or a PC with multi-boot operating environment are not supported.

Preventing Accidental Operation – HOLD Function
Rotate the lens mount to the "HOLD" position. "HOLD" will flash for 3 seconds, indicating that all the functions of the buttons are locked. Then all the display will be turned off after "HOLD" flashes.

Note
• During recording and playback: recording or playback continues but the functions of the buttons are locked. The live view mode, if activated, will be turned off.
• During stop: The unit enters into the standby mode. The display will be turned off in approximately 3 seconds after you rotate the lens mount to "HOLD" position and the "HOLD" flash.

To cancel the HOLD function
Rotate the lens mount to the "HOLD off/Camera off" position, "Camera on (Open)", or "Camera on (Self)" position.

Other Information

Precautions