

ICD-PCLINK Software

Operating Instructions

Notice for users

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To receive the customer services, complete and return the registration card included in your package.

- This software is for Windows and cannot be used for Macintosh.
- The supplied connecting cable is for the IC recorder ICD-R100 only. You cannot connect other IC recorders.

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This manual explains how to install and use the ICD-PCLINK Software.
Please also refer to the instruction manual of the IC recorder.

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Notes

- The illustrations in this manual may differ from the actual software.
- Explanations in this manual assume that you are familiar with basic operations of Windows 98 or Windows 95. For how to use your computer and operating system, please refer to the respective manuals.

For the latest information

For the latest information on this product, refer to the “readme.txt” file on the supplied floppy disk, using the Windows “Notepad” program. You can also open the file by clicking [Start], [Programs], [ICD-PCLINK], and then [ReadMe].

System Requirements

Your computer and system software must meet the following minimum requirements.

- IBM PC/AT or compatible
 - CPU: 200MHz Pentium® processor or higher
 - RAM: 16MB or more
 - Hard disk space: 10MB or more depending on the size and number of sound files you store.
 - Floppy disk drive
 - Parallel or printer port*
 - Sound board
- OS: Microsoft Windows 98 or Windows 95

* Depending on the computer, the communication speed may vary.

Note

The ICD-PCLINK Software may not be used on some computers due to differences in hardware specifications.

What You Can Do With the ICD-PCLINK Software

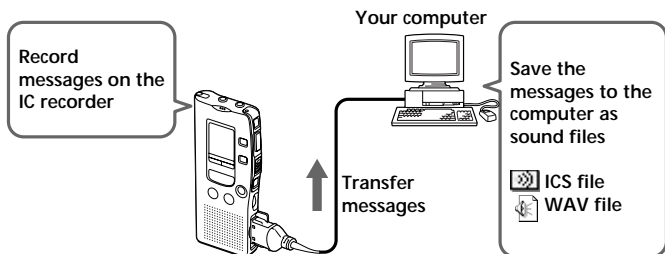
The ICD-PCLINK Software enables you to do the following.

- **Transfer messages recorded on the ICD-R100 IC recorder to your computer.**

You can save the transferred messages as sound files on your computer's hard disk (page 20).

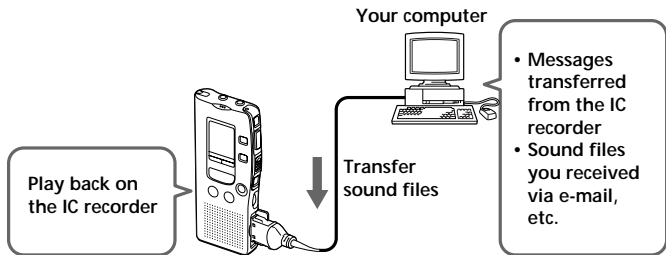
The messages saved to your computer can be played back on the computer (page 47), or attached to your e-mail (page 51). (E-mail software is not supplied.)

When saving the messages on your computer, you can select from three file types: "ICS file", "8-bit WAV file", or "16-bit WAV file" (page 27).



- **Transfer sound files from the computer to your IC recorder**
The messages saved on your computer's hard disk can be transferred back to the IC recorder (page 30).

The messages transferred from the computer can be played back on the IC recorder.



You can transfer back to the IC recorder messages recorded with your IC recorder and saved to your computer, or sound files (ICS or WAV files*) you have received via e-mail, etc.

*The sound files you can transfer back to the IC recorder are ICS files recorded with Sony IC Recorder ICD-R100, and PCM 11kHz sampling, 8/16 bit monaural WAV files only.

- **Utilize the saved sound files in various ways**
 - You can edit the messages in the IC recorder on your computer (page 36)
You can delete or change the order of the messages in the IC recorder on your computer screen.
 - You can save a backup of the messages ("Saving a Backup of the IC Recorder " on page 42)
You can save a backup of all messages in the IC recorder to your computer (see "Saving a Backup of the IC Recorder" on page 42) and later restore the messages to the IC recorder.

Operation Flow

- 1 Preparation: Install the ICD-PCLINK Software in your computer (Page 9)**

- 2 Transfer the messages in the IC recorder to your computer.**

You can view the list of the messages and play back the messages on the computer.

- ☞ “Connecting the Supplied Cable to Your Computer”(Page 12)
- ☞ “Starting up the ICD-PCLINK Software ” (Page 13)

- 3 Use the features of the ICD-PCLINK Software to transfer or edit messages.**

- ☞ “Saving the Messages to the Computer”(Page 19)
- ☞ “Transferring Sound Files from the Computer to the IC Recorder ” (Page 30)
- ☞ “Editing the Messages in the IC recorder on the Computer Screen” (Page 36)
- ☞ “Saving a Backup of the IC Recorder”(Page 42)

- 4 Utilize the saved sound files (ICS files and WAV files)**

- ☞ “Playing Back the Saved Sound Files on the Computer”(Page 47)
- ☞ “Tips on Utilizing the Saved Sound Files ” (Page 51)

Installing the ICD-PCLINK Software

Installing the software

Install the ICD-PCLINK Software in your computer's hard disk, etc.

- 1** Turn on your computer and start up Windows.

Note

Be sure to close all running programs before installing the ICD-PCLINK Software.

- 2** Insert the supplied floppy disk ① into the floppy disk drive.

- 3** Open [My Computer] and choose [A:3.5inch FD].

- 4** Double-click [Setup.exe].

The [ICD-PCLINK installation] dialog box appears.

- 5** ① Click [Next].

Be sure to read the displayed information before proceeding to the next step.

- ② Click [Next].

The [Select Destination Directory] dialog box appears.

- ③ Select the directory where the ICD-PCLINK Software is to be installed and click [Next].

The [Select Components] dialog box appears.

- ④ When installing the ICD-PCLINK Software:

Select [ICD-PCLINK and ics-Player]. (Both the ICD-PCLINK Software and the ICS Player will be installed).

When installing only the ICS Player:

Select [ics-Player].

Installing the ICD-PCLINK Software (continued)

⑤ Click [Next].

The message “Ready to Install!” appears.

⑥ Click [Next].

The installation of the software starts.

6 When the message “Place installation disk #2 into the floppy drive and press the OK button” appears, insert the supplied floppy disk ② and click [OK].

7 Following the instructions on the screen, insert the supplied floppy disk ③, and then click [OK].

When the installation is finished, the message “Installation Completed!” appears.

8 Click [Finish].

Now the installation is completed.

If the message on the screen instructs you to restart the computer, eject the floppydisk, click [OK] and restart the computer.

Uninstalling the software

When you wish to uninstall the software, follow the steps below.

- 1 Click [Start] and select [Programs], [ICD-PCLINK] and then [Uninstall].

The uninstaller starts up.

- 2 Follow the displayed instructions.

If you installed the ICD-PCLINK Software, both the ICD-PCLINK Software and the ICS Player will be uninstalled.

If you installed the ICS Player only, the ICS Player will be uninstalled.

Note

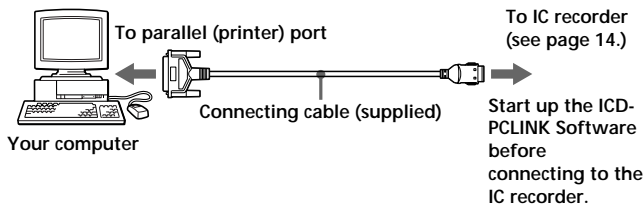
If you wish to move the software to another drive or directory after it is installed, you need to uninstall the software and then reinstall it. The software does not work properly if you just move the files.

Tip

You can also start up the uninstaller by clicking [Start] and then selecting [Settings], [Control Panel], and [Add/Remove Programs].

Connecting the Supplied Cable to Your Computer

Connect the supplied connecting cable to the parallel (printer) port of your computer.



Note

For some computers, you may have to change the parallel (printer) port setting to the 'bidirectional' mode. For details, see page 55.

► *Basic Operation: Transferring Messages between IC Recorder and Computer*

Starting Up the ICD-PCLINK Software

Note

Before starting up the software, make sure that the supplied connecting cable is connected to your computer (page 12).

- 1 Start up Windows.
- 2 Click [Start], and select [Programs], [ICD-PCLINK] and then [ICD-PCLINK].
The ICD-PCLINK Software starts up.



Then, the following dialog box appears.



Continued

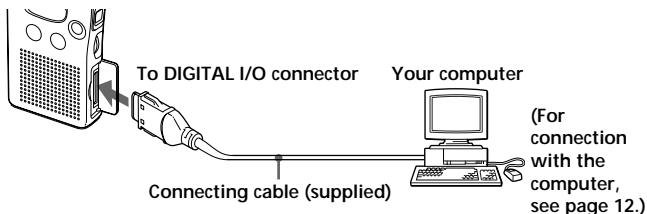
Starting Up the ICD-PCLINK Software (continued)

3 Connect the IC recorder to your computer.

Make sure that the IC recorder is in the stop mode and connect the cable to the DIGITAL I/O connector of the IC recorder.

Note

Be sure not to connect the cable while operating the IC recorder (recording, playback, etc.). Doing so may damage the data in the IC recorder.

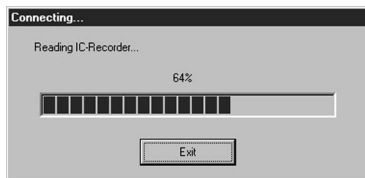


Notes

- If you leave the IC recorder connected to the computer for an extended period of time, the batteries in the IC recorder may be exhausted. Be sure to disconnect the cable from the IC recorder after use.
- Do not remove the batteries from the IC recorder while it is connected to the computer.
- While the IC recorder is connected to the computer, you cannot operate the IC recorder. The alarm playback, if set, will not be activated either.

4 Click [OK].

Data transmission between the IC recorder and the computer starts.



When the data transmission is completed, the ICD-PCLINK main window (Page 16) appears.

If the message “Could not communicate with IC Recorder. Make sure that the cable is connected properly.” appears

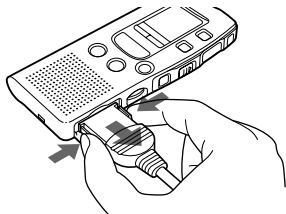
Communication between the IC recorder and the computer was not successful (Connection Error). Check the following items and start the procedure from the beginning.

- Is the cable connected properly?
 - Check the connection between the cable and the computer (page 12), and between the IC recorder and the cable (page 14).
- Maybe you were using the printer port before starting up the ICD-PCLINK software, e.g. printing on a printer connected to the printer port.
 - Restart the computer. If the message still appears, see “Troubleshooting” on page 52.

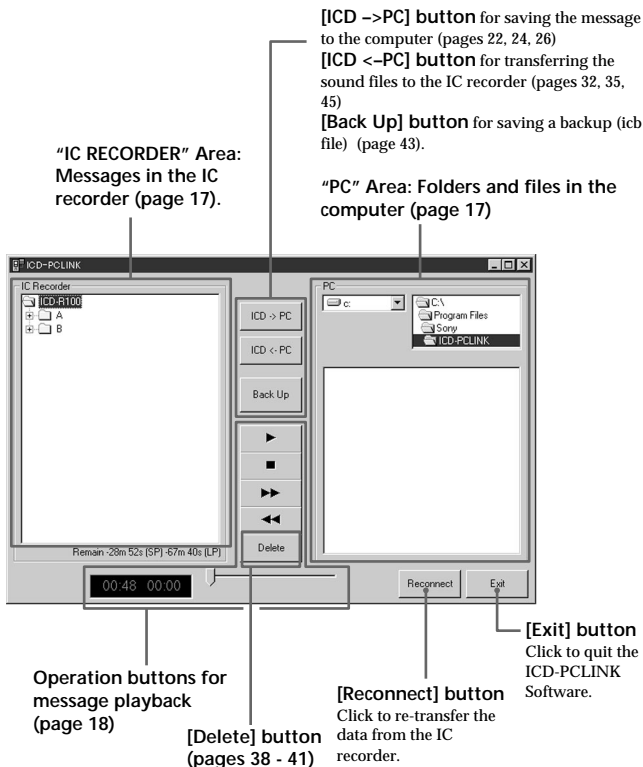
Note

If the “Battery Low Error” message appears, the remaining battery power of the IC recorder is not sufficient. Disconnect the cable from the IC recorder, replace both batteries with new ones and connect the cable again. (Even if the remaining battery indicator on the IC recorder indicates that the batteries are not exhausted, battery power may not be sufficient for operation with the computer.)

To detach the cable from the IC recorder



Names and Functions of the Main Window



To quit the ICD-PCLINK Software

Click the [Exit] button. The message "Disconnect the connecting cable from the IC Recorder" appears. Be sure to disconnect the cable.

•“IC RECORDER” Area: Messages in the IC recorder

Message File A

If you double-click

☐ A or click +, the

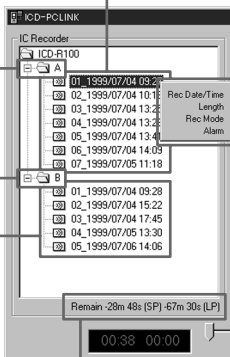
list of the messages in Message File A will be displayed.

Message File B

List of messages

☐ 01_1999/07/04 09:28

Message number of recording (not displayed when the clock has not been set on the IC recorder)



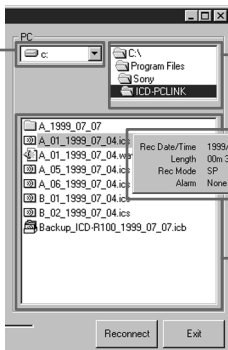
Remaining recording time on the IC recorder in SP and LP modes

Messages in File A

If you click the right mouse button ('right-click'), the date and time of recording, length, recording mode (SP or LP) and the alarm setting of that message are displayed.

•“PC” Area: Folders and sound files in the computer

Drive



Directory

If you right-click an ICS file, the date and time of recording, length, recording mode (SP or LP) and the alarm setting (always “None”) are displayed.

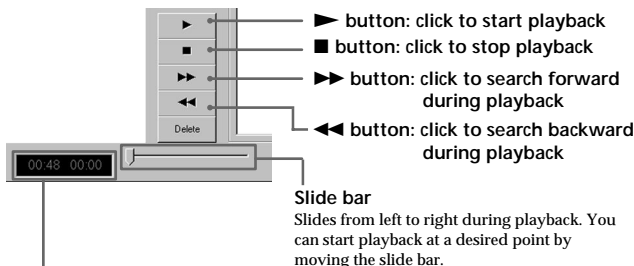
Folders and sound files

- ☐ ICS file (extension: .ics)
- ☐ WAV file (extension: .wav)
- ☐ ICB file (extension: .icb)

Continued

Names and Functions of the Main Window (continued)

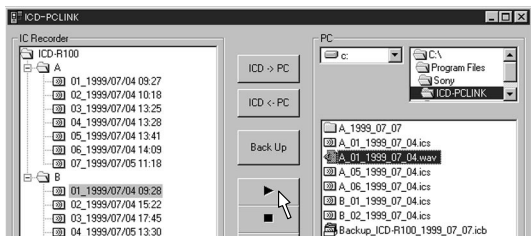
•Operation buttons for message playback



Counter display

Left: length of the message being played back
Right: Elapsed playback time

You can play back the messages in the IC recorder and sound files saved to the computer. Playback sound will be heard from the computer's speaker. To start playback, select a message in the "IC RECORDER" Area or an ICS file or a WAV file on the "PC" Area and click the ▶ button. (You can also start playback by double-clicking the message or the ICS or WAV file.)



Note

The WAV files you can play back on the ICD-PCLINK Software are 11kHz sampling 8/16 bit monaural or 8kHz sampling 8/16 bit monaural WAV files only. WAV files of other format cannot be played back on the main window.

Saving the Messages to the Computer

You can save the messages as sound files on your computer's hard disk, etc. You can choose from three file types: "ICS file" (Sony's original format), "8-bit WAV file" or "16-bit WAV file". (See page 27 for details.)

There are three ways of saving messages: "one by one" (page 20), "all the messages in a Message File at one time" (page 23) or "all Message Files at one time" (page 25).

Tip

If you wish to save a backup of all the messages currently recorded in the IC recorder, see page 42.

Continued

Saving the Messages to the Computer (continued)


Saving messages one by one

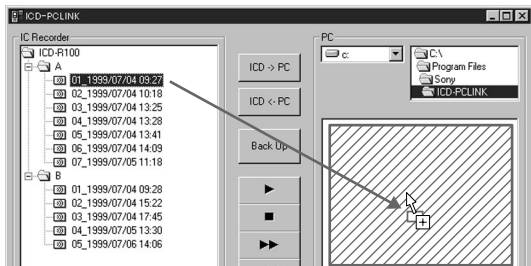
You can transfer messages from the IC recorder to the computer in either of the following two ways: by “drag-and-drop” operation from the “IC RECORDER” Area to the “PC” Area using the mouse, or by clicking the [ICD →PC] button.

The following procedure explains the former: “drag-and-drop” operation.

1 Drag the message you wish to save from the “IC RECORDER” Area and drop it in the “PC” Area.

- ① Select and drag the message you wish to save.

When you start dragging, the pointer changes to .

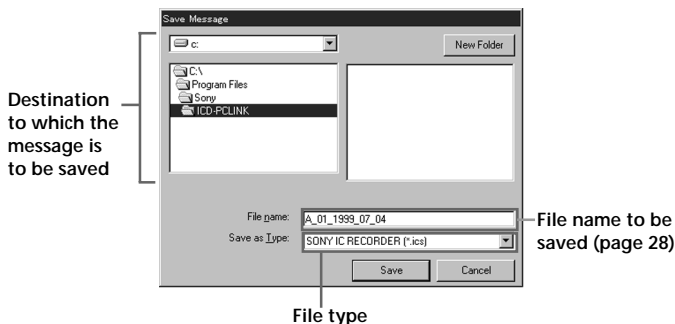


- ② Drop the message in the “PC” Area.

You can drop it anywhere in the shadowed area in the above illustration.

☞ You can also drop the message in a folder in the “PC” Area to save it in that folder.

The following dialogbox appears.



Change the destination and/or the file name, if you wish, before proceeding to the next step.

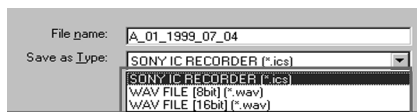
You can also save the message in a newly created folder by clicking [New Folder].

Note

The following characters cannot be used in a file name:

\ / : * ? " < > |

③ Select the file type (page 27).



Select among ICS file, 8 bit WAV file and 16 bit WAV file.

Saving the Messages to the Computer (continued)

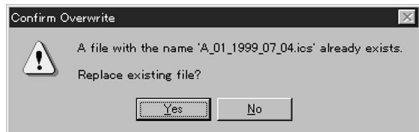
2 Click [Save].

The saved file will be displayed in the “PC” Area.

When a message with the same file name exists

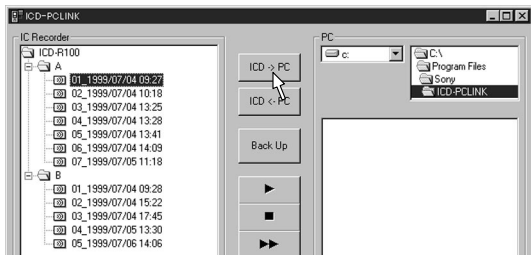
The following dialog box appears.

If you wish to overwrite the file, click [Yes]. If you wish to change the file name, click [No].



To save the message using the [ICD ->PC] button

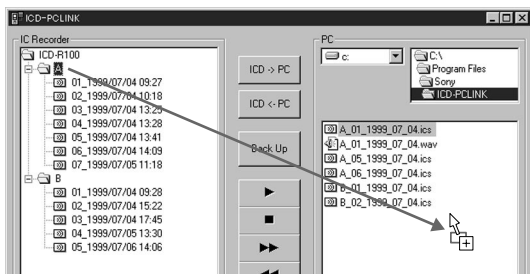
Select the message in the “IC RECORDER” Area and click the [ICD ->PC] button.



Saving all the messages in a Message File at one time

You can save all the messages in a Message File (A or B) at one time as one folder.

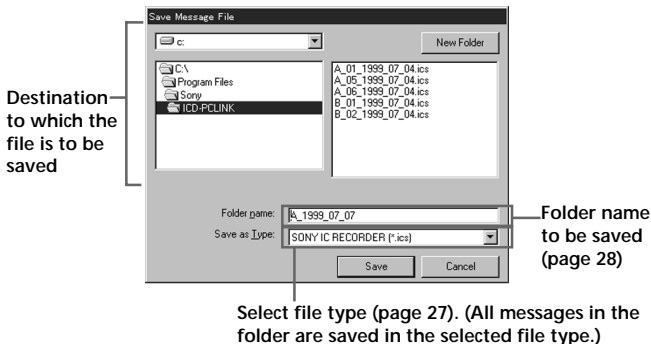
- 1 Drag the Message File (A or B) you wish to save from the "IC RECORDER" Area and drop it in the "PC" Area in the same way explained in "Saving messages one by one" on page 20.



The following dialogbox appears.

Continued

Saving the Messages to the Computer (continued)



Change the destination and/or the folder name, if you wish, before proceeding to the next step.

You can also save the folder in a newly created folder by clicking [New Folder].

Note

The following characters cannot be used in a folder name:

\ / : * ? " < > |

2 Click [Save].

The saved folder will be displayed in the “PC” Area.

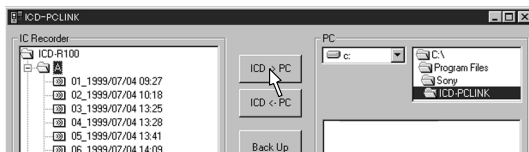
When a folder with the same name already exists

The message “This folder already exists. Please rename.” appears.

Click [OK], change the folder name and then click [Save] again.

To save the Message File using the [ICD ->PC] button

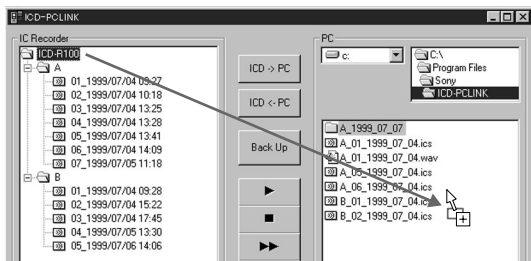
Select the Message File (A or B) in the “IC RECORDER” Area and click the [ICD ->PC] button.



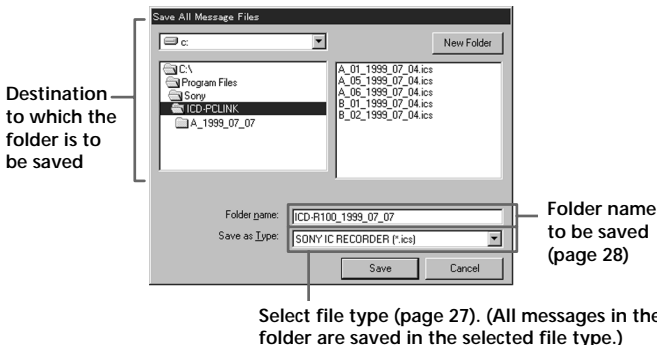
Saving all Message Files at one time

You can save all the messages in both Message Files A and B at one time as one big folder that consists of two sub-folders.

- 1 Drag "ICD-R100" from the "IC RECORDER" Area and drop it in the "PC" Area in the same way explained in "Saving messages one by one" on page 20.



The following dialog box appears.



Select file type (page 27). (All messages in the folder are saved in the selected file type.)

Continued

Saving the Messages to the Computer (continued)

Change the destination and/or the folder name, if you wish, before proceeding to the next step.

You can also save the folder in a newly created folder by clicking [New Folder].

Note

The following characters cannot be used in a folder name:

\ / : * ? " < > |

2 Click [Save].

The saved folder will be displayed in the “PC” Area.

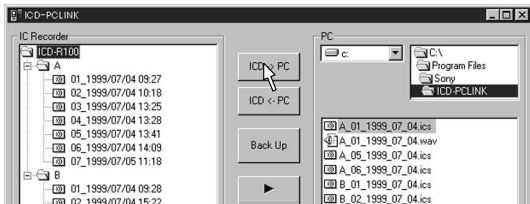
When a folder with the same name exists

The message “This folder already exists. Please rename.” appears.

Click [OK], change the folder name and then click [Save] again.

To save all Message Files using the [ICD ->PC] button

Select “ICD-R100” in the “IC RECORDER” Area and click the [ICD ->PC] button.



On file types

All the saved sound files can be played back on the ICD-PCLINK Software in the same way, but the differences are the following:

- **ICS file (SONY IC RECORDER (*. ics))**

The ICS file is Sony's original format. You can play back ICS files using the supplied "ICS-Player" Software. (Page 48)

When messages are saved as ICS files, the sound data is compressed so that the size of the data is relatively small.

You can convert the ICS files into WAV files. (Page 50).

- **8-bit WAV file (WAV FILE [8 bit] (*. wav))**

The 8-bit WAV files can be played back using software such as Microsoft Sound Recorder supplied with Windows 98 or Windows 95.

- **16-bit WAV file (WAV FILE [16 bit] (*. wav))**

The 16-bit WAV files can be played back using software such as Microsoft Sound Recorder supplied with Windows 98 or Windows 95. Save in 16-bit when the software to be used requires 16-bit WAV files.

Approximate file size of a one-minute message recorded in SP mode

ICS file : approx. 248 KB

8 bit WAV file: approx. 660 KB

16 bit WAV file: approx. 1,320 KB (KB:kilobytes)

Approximate file size of a 64-minute message recorded in SP mode

ICS file : approx. 15.6 MB

8 bit WAV file: approx. 43 MB

16 bit WAV file: approx. 86 MB (MB:megabytes)

Approximate file size of a 150-minute message recorded in LP mode

ICS file : approx. 15.6 MB

8 bit WAV file: approx. 72 MB

16 bit WAV file: approx. 144 MB (MB:megabytes)

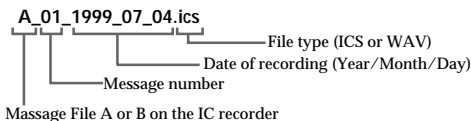
Continued

Saving the Messages to the Computer (continued)

Destination, file and folder names

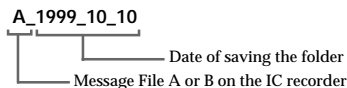
When you save the messages, the file and folder names are automatically created. See the following examples.

- **When saving a message one by one (Page 20)**



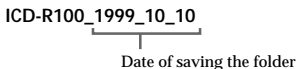
(If the date of recording is not recorded the file name will be shorter, such as A_01.ics)

- **When saving all the messages in a Message File as a folder (Page 23)**



Each sound file in the folder will be named in the same way as indicated in "When saving a message one by one".

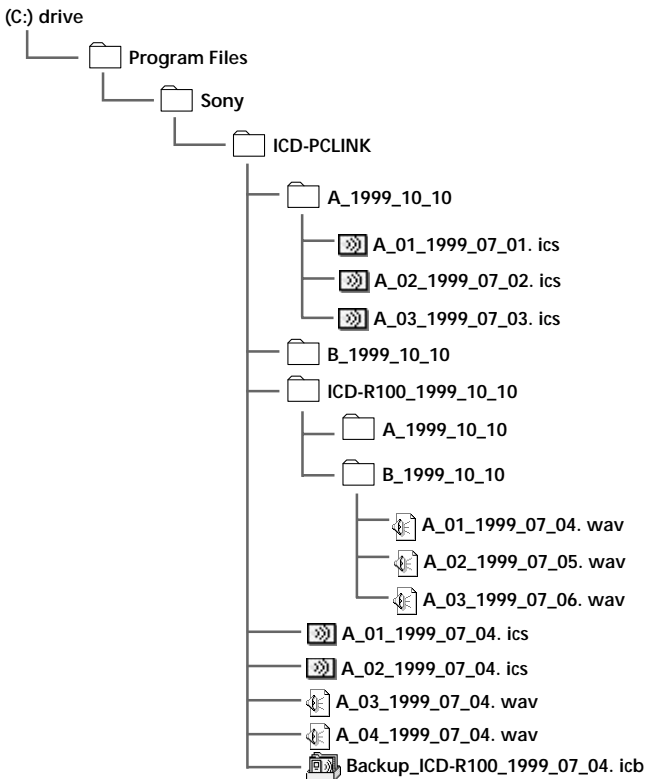
- **When saving all Message Files as a folder (Page 25)**



Each sound file and folder in this folder will be named in the same way as indicated above.

☞ For the file name of a backup file, see page 42.

- Example of destinations where sound files and folders are saved



- “Sony” folder and “ICD-PCLINK” folder are automatically created when the ICD-PCLINK Software is installed.
- When you save messages one by one, they will be saved in the “ICD-PCLINK” folder.
- When you save a Message File (A or B) or all Message Files at one time, folders are automatically created.

Transferring Sound Files from the Computer to the IC Recorder

You can transfer sound files from the computer's hard disk, etc. to the IC recorder. You can transfer the sound files one by one (page 31) or transfer all sound files in a folder at one time (page 33).

- Sound files transferred to the IC recorder can be played back as messages in the IC recorder.
- Date and time of recording (for ICS files only) and recording mode are transferred together with the messages. This is possible even for sound files whose names have been changed.
- When a sound file is transferred to the IC recorder, its alarm setting will be cancelled.

Note

If the memory of the IC recorder is already full, or the number of messages will exceed 99 if a sound file or folder is transferred to the IC recorder, you cannot transfer sound files to the IC recorder. First delete some of the messages from the IC recorder (page 38).

File types that can be transferred to the IC recorder

The sound files that can be transferred from the computer to the IC recorder are as follows:

- ICS files originally recorded on the Sony ICD-R100 IC Recorder
 - Can be transferred one by one or all the files in a folder at one time.
- WAV files (PCM 11kHz sampling, 8/16 bit monaural files only*)
 - Can be transferred one by one only.

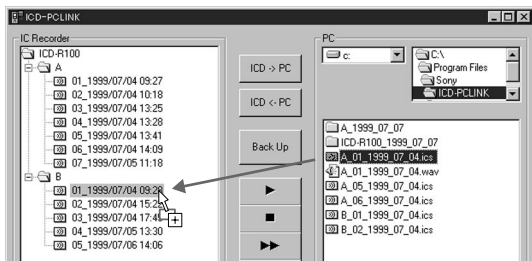
*Messages such as those recorded in SP mode and saved as 8-bit or 16-bit WAV files using the ICD-PCLINK Software. Messages recorded in LP mode are saved as 8kHz sampling files and cannot be transferred to the IC recorder. You must change the format following the procedure on page 32.

Transferring sound files one by one

You can transfer the messages from the computer to the IC recorder one by one.

- 1 Drag the sound file (ICS or WAV file) you wish to transfer from the "PC" Area and drop it in the "IC RECORDER" Area . Drop the sound file at the desired position in the IC Recorder.

Example: Transferring the file "A_01_1999_07_04.ics" to the top of Message File B in the IC recorder



The following dialog box appears.



- 2 Select the position to insert the transferring sound file; either before or after the selected message in the IC recorder. Click [Before] in this example. The transferred message will be displayed in the "IC RECORDER" Area.

Continued

Transferring Sound Files from the Computer to the IC Recorder (continued)

If "File Format Error" appears

The file you tried to transfer is of a file format that cannot be transferred to the IC recorder. If the file is a WAV file, you need to convert it to a PCM 11,025Hz, 8/16 bit monaural file before transferring.

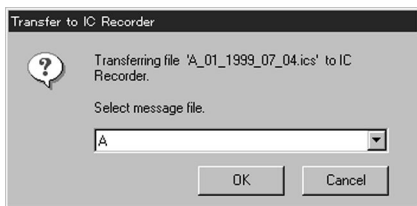
To convert the file, start up the Microsoft Sound Recorder (included in Windows), select [Save as...] from the [FILE] menu and then select [Change].

☞ If you placed the pointer on Message File A or B in the "IC RECORDER" Area

The transferred message will be added at the end of the selected Message File.

☞ If you did not specify the position (if you dropped somewhere in the "IC RECORDER" Area)

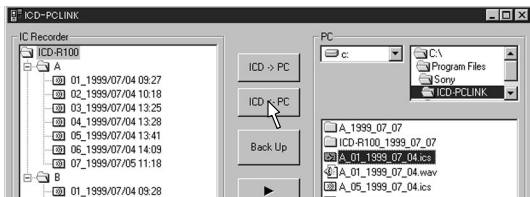
The following dialog box will appear.



Select the Message File (A or B) to which you wish to transfer the message and click [OK]. The message will be added at the end of the selected file.

To transfer the message using the [ICD<- PC] button

- 1 Select the sound file in the "PC" Area and click the [ICD<- PC] button.



- 2 When the dialog box shown in "If you did not specify the position" above appears, select the Message File (A or B) to which you wish to transfer the message and click [OK].

Transferring all sound files in a folder at one time

If messages are saved in a folder as in "Saving all the messages in a Message File at one time" on page 23, you can transfer all the messages in that folder at one time to the IC recorder.

Notes

- The sound files that can be transferred are ICS files within that folder only.
- If all the messages in the IC recorder were saved to the computer as one folder that consists of sub-folders, the folder cannot be transferred as is. You need to transfer each sub-folder one by one to each Message File in the IC recorder (A or B).
- You can transfer the ICS files in a folder to the IC recorder only if that ICS file is on the immediate next layer under the folder.
If there is another folder on the immediate next layer under the folder, you cannot transfer the ICS files in that folder.
- You cannot transfer WAV files when transferring a folder, even if that WAV file is of a format that can be transferred to the IC recorder (page 30). Only the ICS files within that folder will be transferred.

- 1 Drag the folder you wish to transfer from the "PC" Area and drop it in the "IC RECORDER" Area .

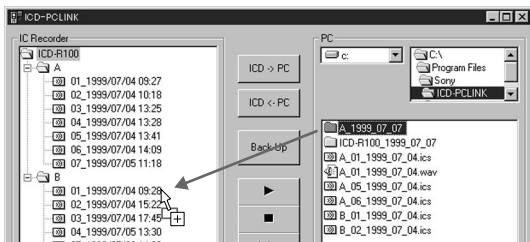
Drop the folder at the position in the IC recorder where you wish to transfer the messages within the folder.

In the following example, you select "Message File B" in the "IC RECORDER" Area. The result is the same when you place the pointer to "B" or on any of the messages in "Message File B".

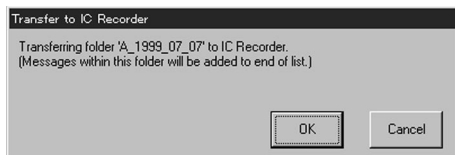
Continued

Transferring Sound Files from the Computer to the IC Recorder (continued)

Example: Transferring folder "A_1999_07_04" to Message File B on the IC recorder

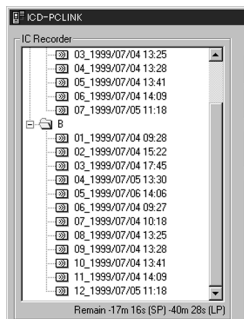


The following dialog box appears.

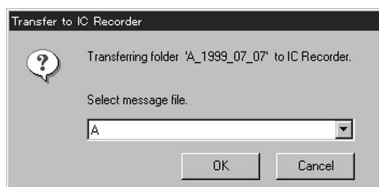


2 Click [OK].

The messages within the folder transferred from the computer are added at the end of the selected Message File (A or B).



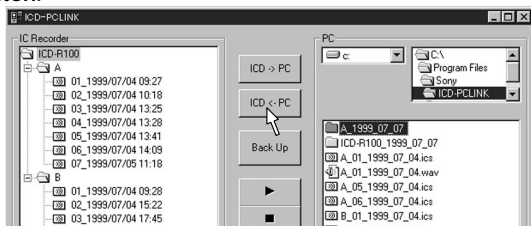
- ☞ **If you did not specify the position (if you dropped somewhere in the "IC RECORDER" Area)**
The following dialog box will appear.



Select the Message File (A or B) to which you wish to transfer the messages and click [OK]. The messages in the transferred folder will be added at the end of the selected Message File.

To transfer the messages using the [ICD<- PC] button

- 1 Select the folder in the "PC" Area and click the [ICD<- PC] button.



- 2 When the dialog box shown in "If you did not specify the position" above appears, select the Message File (A or B) to which you wish to transfer the message and click [OK].

Note

If there are some files in that folder that cannot be transferred due to an incompatible format, or if there is not enough memory available on the IC recorder, only the sound files that can be transferred will be transferred, and then an error message will appear. To transfer a WAV file to the IC recorder, transfer it one by one following the procedure on page 31.

Editing the Messages in the IC Recorder on the Computer Screen

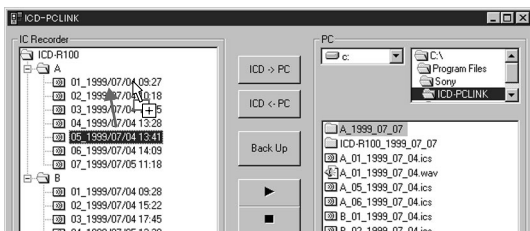
Using the main window of the ICD-PCLINK Software, you can change the order of messages in the IC recorder or delete the messages. (Adding or deleting of index is not possible.)

Moving the messages

By moving the messages on the main window, you can change the order of messages in the IC recorder. You can move the messages within the same Message File or to another Message File (A or B).

Example: Moving Message05 in Message File A to the top of Message File A

- 1** Drag the message in the "IC RECORDER" Area and drop it at the desired position.

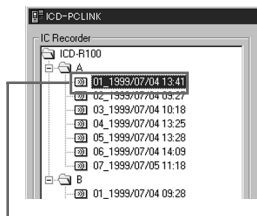


The following dialogbox appears.



- 2** Select the position to insert the message; either before or after the selected message.
Click [Before] in this example.

The messages in the IC Recorder will be renumbered.



The moved message is now Message 01 of Message File A.

Editing the Messages in the IC Recorder on the Computer Screen (continued)

Deleting the Messages

You can delete the messages in the “IC RECORDER” Area one by one, or all the messages in a Message File (A or B) at one time.

You can also delete the ICS files, WAV files and ICB files in the “PC” Area one by one (see page 41).

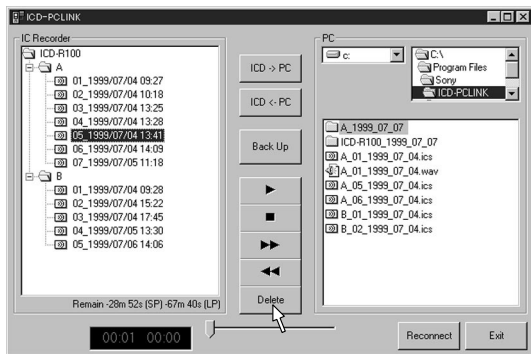
Notes

- You cannot delete both A and B message files at one time by selecting the “ICD-R100” in the “IC RECORDER” Area.
- You cannot delete folders in the “PC” Area.

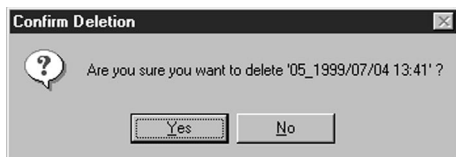
•Deleting messages in the IC recorder one by one

- 1 Select the message you wish to delete and click the [Delete] button.

Example: Deleting Message05 in Message File A

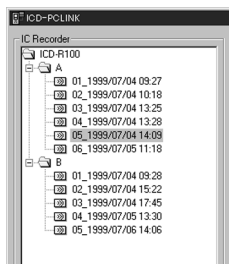


The following dialogbox appears.



- 2** Click [Yes] if it is all right to delete the selected message.

When deleting is completed, the following message numbers decrease by one.



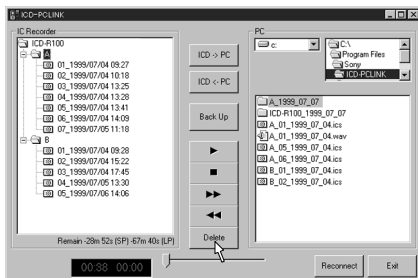
Continued

Editing the Messages in the IC Recorder on the Computer Screen (continued)

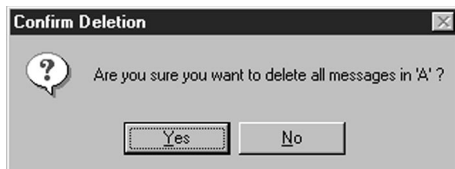
- Deleting all the messages in a Message File at one time

- 1 Select the file you wish to delete (A or B) and click the [Delete] button.

Example: Deleting all the messages in Message File A



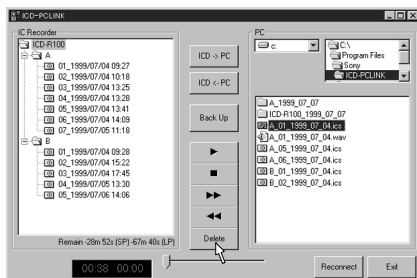
The following dialog box appears.



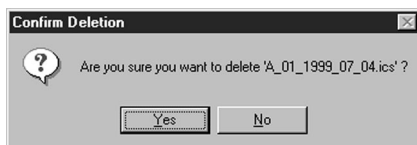
- 2 Click [Yes] if it is all right to delete the selected Message File.

•Deleting files (ICS files, WAV files or ICB files) in the “PC” Area

- 1 Select the file you wish to delete and click the [Delete] button.



The following dialogbox appears.



- 2 Click [Yes] if it is all right to delete the selected file.

Saving a Backup of the IC Recorder ("Back Up")

You can save all the messages in the IC recorder to the computer as one backup file. The backup file is stored in a special format called an "ICB file".

What is an ICB file?

- An ICB file is Sony's original file format. All of the data in the IC recorder is compressed and can be stored as one ICB file.
- It is not possible to check the contents of or play back an ICB file, unless you restore it to the IC recorder (page 45). When the ICB file is restored to the IC recorder, the information accompanying the messages (file name, message number, date and time of recording and alarm setting) is also restored.
- The size of one ICB file is fixed (approx. 16.5 MB) regardless of the length of recorded messages.

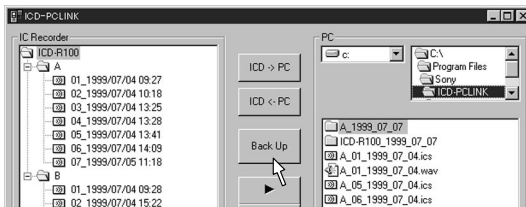
Saving a backup (ICB) file to the computer

Note

There must be at least 16.5 MB of space on your computer's hard disk, etc. to save a backup file.

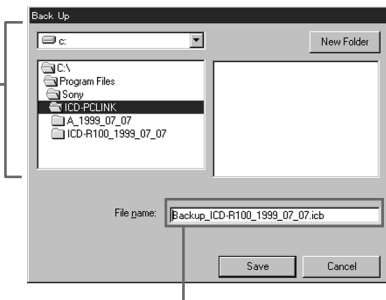
If you wish to make another backup file of the current messages in the IC recorder when restoring the backup file to the IC recorder, you need an extra space of at least 16.5 MB in addition.

- 1 Click the [Back Up] button.



42 The following dialog box appears.

Destination
to which the
message is
to be saved



File name of the backup file will be as follows:

Backup_ICD-R100_1999_07_07.icb

Date when the backup
file is saved

Extension of the backup file*

Change the destination and/or the file name, if you wish, before proceeding to the next step.

You can also save the backup file in a newly created folder by clicking [New Folder].

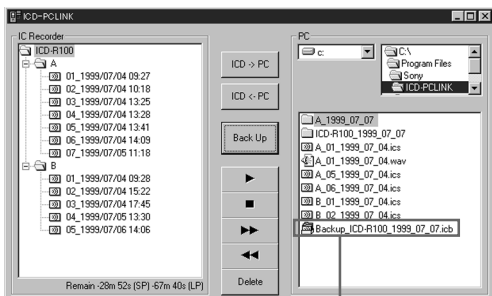
* The extension “.icb” cannot be changed. Even if you delete the extension in the step above, it will automatically be attached at the end of the file name.

Continued

Saving a Backup of the IC Recorder ("Back Up") (continued)

2 Click the [Save] button.

The backup (ICB) file will be created and saved to the computer.

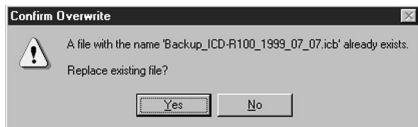


Backup (ICB) file

When a backup file with the same file name exists

The following dialogbox appears.

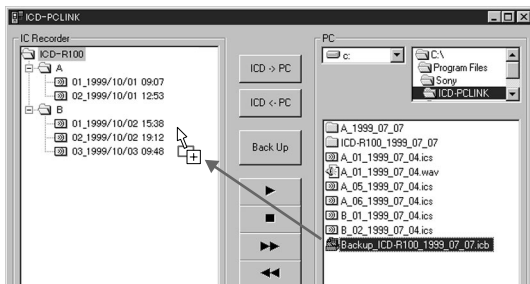
If you wish to overwrite the file, click [Yes]. If you wish to change the file name, click [No].



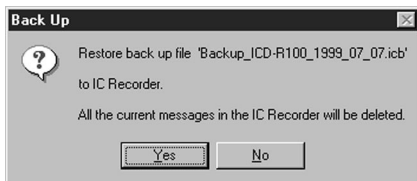
Restoring the backup file to the IC recorder

By restoring the backup file (ICB file) from the computer to the IC recorder, you can play back the backed up messages on the IC recorder. If there are messages recorded on the IC recorder, you can make another backup file for these messages before you start restoring the backup file (See Step 3 on page 46).

- 1 Drag the backup file (ICB file) you wish to restore from the "PC" Area and drop it in the "IC RECORDER" Area.
You can also restore the backup file by clicking the [ICD<- PC] button.



The following dialogbox appears.

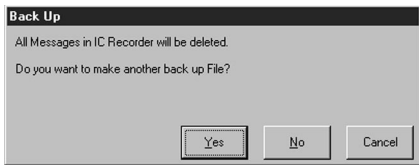


Continued

Saving a Backup of the IC Recorder ("Back Up") (continued)

2 Click [Yes].

The following dialog box appears.



3 Click [Yes] or [No].

If you click [Yes], the messages in the IC recorder will be saved to the computer as a new backup file, and then the messages restored from the backup file will replace the ones in the IC recorder.

If you click [No], the restored messages will replace the ones in the IC recorder without saving a backup.

4 • When you click [Yes]

The dialog box for saving a new backup file appears. (See page 43.) Change the destination and/or the file name, if you wish, before proceeding to the next step.

Click [Save].

Another backup file for the messages in the IC recorder is created as in the procedure shown on page 43, and then restoring starts.

• When you click [No]

The backup file will be immediately restored from the computer to the IC recorder.

When the restoring is completed, the restored messages will be displayed on the "IC RECORDER" Area of the main window.

► **Advanced Operation: Utilizing the Saved Messages**

Playing Back the Saved Sound Files on the Computer

Playing back the WAV files

You can play back the messages saved as WAV files using software such as the Microsoft Sound Recorder.

To play back a WAV file

Double-click the file icon for the WAV file to play back.



The software such as Sound Recorder starts up and playback starts.

Note

If the Sound Recorder is not yet installed in your computer, please install it from Windows 98 or Windows 95.

Continued

Playing Back the Saved Sound Files on the Computer (continued)

Playing back the ICS files (ICS Player)

An “ICS file” is Sony’s original format of sound files. You can play back an ICS file in the main window of the ICD-PCLINK (page 18), or using the ICS Player Software. Start up the ICS Player in either way described below.

To play back an ICS file

Double-click the file icon ICS file to play back.



The ICS Player Software starts up and playback starts.

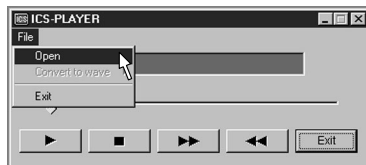
To start up the ICS Player Software

- 1 Click [Start], and select [Programs], [ICD-PCLINK] and then [ics-Player].

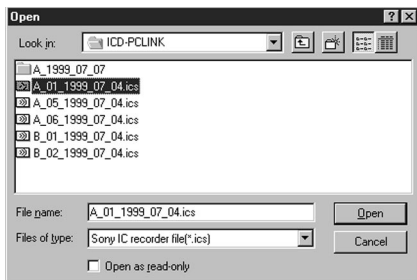
The ICS Player Software starts up.



- 2 Select [Open] from the file [File] menu.



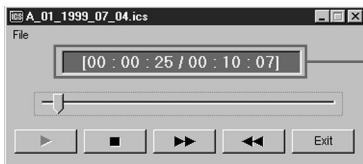
The following dialog box appears.



- 3** Select the file you wish to play back and click [Open], or double-click the file.

The selected file name will be displayed on the ICS Player.

- 4** Click the [▶](Playback) button.



Counter
Left: elapsed
playback time
Right: length

Playback starts.

The slide bar slides from left to right during playback.

To stop playback

Click the [■] button.

To search forward or backward during playback

Click the [▶▶] (Cue) button or the [◀◀] (Review) button.

To exit the ICS Player

Click the [Exit] button.

Playing Back the Saved Sound Files on the Computer (continued)

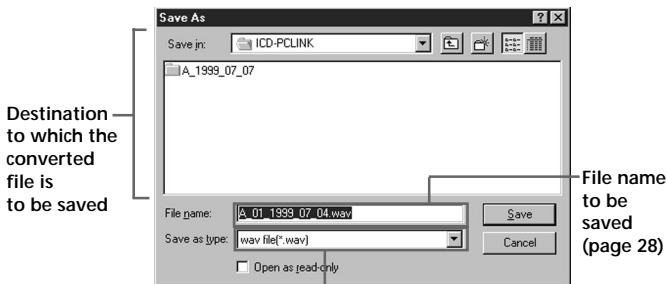
Converting ICS files to WAV files (ICS Player)

After starting up the ICS-Player, you can convert ICS files to 8-bit WAV files or to 16-bit WAV files (see page 27).

- 1 After Step 1 on page 48, select [Convert to Wave] from the [FILE] menu and then select [Save As 8 bit Wave] or [Save As 16 bit Wave].



The following dialog box will appear.



File type (WAV file)
You cannot change the file type.

Change the destination and/or the file name, if you wish, before proceeding to the next step.

- 2 Click [Save].

Tips on Utilizing the Saved Sound Files

- **Attaching messages to your e-mail**

Use the document attachment function of your e-mail software to attach the saved sound files to your e-mail. Make sure that the recipient of the e-mail has a software that can play back sound files.

Also be sure to check the file size before sending it. (See page 27.)

Sending a WAV file

- The recipient needs to have a software that can play back WAV files such as the Microsoft Sound Recorder included in Windows 98 or Windows 95. (page 47)
- You can convert ICS files to WAV files before sending also. (page 50)

Sending an ICS file

If the recipient has the ICD-PCLINK Software or the ICS Player, the received ICS file can be played back. (page 48)

- **To easily find the folder in which the saved messages are located**

We recommend you make a 'shortcut' of the ICD-PCLINK folder or the folder you frequently open and place it on the desktop.

Troubleshooting

When problems occur

After trying the following measures, if the problem persists, contact your dealer or a Sony service facility. Also refer to the supplied instruction manual of the IC recorder.

Symptom	Remedy
The ICD-PCLINK software cannot be installed.	<ul style="list-style-type: none">• The memory space on the computer is too small. Allocate a larger memory space.
Messages in the IC recorder cannot be transferred to the computer.	<ul style="list-style-type: none">• Check the installation of the software or connection of the cable.• Refer to "Error messages" on page 53.
Messages in "IC RECORDER" Area, ICS files or WAV files cannot be played back.	<ul style="list-style-type: none">• No sound board is installed (Page 5).• No speaker is built-in or connected to the computer.
ICS files cannot be played back.	<ul style="list-style-type: none">• Install the ICS Player Software. (See page 48) (When the ICD-PCLINK Software is installed, the ICS Player Software is automatically installed. You can also install the ICS Player Software only. See pages 9 and 10 for details.)
WAV files cannot be played back.	<ul style="list-style-type: none">• The software that can play back WAV files is not installed. Install a software such as the Microsoft Sound Recorder. (See page 47.)
Playback sound volume is too low.	<ul style="list-style-type: none">• Turn up the volume on the computer. (Refer to the instruction manual of the computer.)• The volume of WAV files can be changed and saved using the "Increase Volume" feature of the Microsoft Sound Recorder.
The Software 'hangs' when the ICD-PCLINK Software starts up.	<ul style="list-style-type: none">• There may be 'conflict' between the ICD-PCLINK Software and other driver or application.


Error messages

Message	Problem/Remedy
<ul style="list-style-type: none"> • Connection Error “Could not communicate with IC Recorder. Make sure that the cable is connected properly.” 	<ul style="list-style-type: none"> • The cable is disconnected. → Check the connection (pages 12 and 14). Make sure that the IC recorder is in the stop mode when making connections. • Other peripheral devices such as a printer was connected to the printer port before the IC recorder was connected. → Restart the computer. If the message still appears, change the mode setting of the printer port (page 55). • Another program has been set to enable automatic communication to the printer port at a certain interval. → If such program is set, communication with the IC recorder cannot be made, even if nothing is connected to the printer port. Change the program setting to disable the automatic communication. • Malfunction of the IC recorder. → Disconnect the cable and check to see if the IC recorder operates properly. • The ICD-PCLINK Software may not be used on some computers due to differences in hardware specifications.
“Data in IC Recorder has been modified. Please reconnect.”	<ul style="list-style-type: none"> • You have disconnected the cable once and made some changes on the IC recorder. The latest data must be transferred to the computer.

Continued

Troubleshooting (continued)

Message	Problem/Remedy
<ul style="list-style-type: none">• Battery Low Error “Disconnect the connecting cable from the IC Recorder, and replace batteries.”	<ul style="list-style-type: none">• The batteries in the IC recorder are exhausted.* → Disconnect the cable, replace the batteries with new ones and reconnect the cable.
<ul style="list-style-type: none">• Transfer Error “No more space available on selected drive.”	<ul style="list-style-type: none">• The available space on the selected disk drive is too small for saving messages or backup files. Clear space on the drive, or select another one.
“No more space available in IC Recorder.”	<ul style="list-style-type: none">• The memory space in the IC recorder is too small for transferring sound files or backup files to the IC recorder. Delete some messages.
<ul style="list-style-type: none">• Message Management Area Full “Part of message was not transferred successfully.”	<ul style="list-style-type: none">• The memory space on the area that controls messages in the IC recorder is too small for transferring files to the IC recorder.
<ul style="list-style-type: none">• File Format Error “This WAV file cannot be transferred to IC Recorder. Please convert to PCM, 11,025Hz, 8/16 Bit, Mono.”	<ul style="list-style-type: none">• WAV files other than PCM 11kHz, 8/16 Bit Monaural format cannot be transferred to the IC Recorder. Save the WAV file after changing the format, and try again (see page 32).
“Could not transfer due to an incompatible file format. (The file was created by a different model.)”	<ul style="list-style-type: none">• The ICS files that can be transferred to the IC Recorder are ICS files of messages recorded with the Sony IC Recorder ICD-R100 only. ICS files of other format cannot be transferred, e.g. ICS files created by a different model.

* Even if the remaining battery indicator on the IC recorder indicates that the batteries are not exhausted, battery power may not be sufficient for operation with the computer. When you use the IC recorder without connecting a computer, you do not need to replace the batteries until  appears in the display window.

Changing the printer mode setting on the computer

When communication between the IC recorder and the computer was not successful, change the settings as follows:

Before you begin

Since the printer port mode settings vary according to your computer, you may have to try several different settings. Please refer to the instruction manual of your computer.

1 Enter the BIOS set-up mode of the computer.

Note

The procedure varies according to the model. (For some models, the keys to be pressed are displayed on the screen during start-up.) For details, refer to the instruction manual of your computer.

2 Check the printer (parallel) port mode setting.

You need to select the mode that enables 'bidirectional' communication between the IC recorder and the computer, then store the setting and exit the setting mode.

Notes

- The name of the 'bidirectional' mode varies according to the model.
- Settings such as "NORMAL", "SPP", etc. are for normal printing mode, and must not be used for ICD-PCLINK Software.
- Modes such as "EPP" and "ECP" may cause unstable operation.
- Some computers may be supplied with software that enables printer mode setting such as 'I/O Port Setting' in the [Control Panel].

Continued

Troubleshooting (continued)

3 Restart the computer.

The new setting will activate only if you restart the computer.

4 Start up the ICD-PCLINK Software, connect the cable to the IC recorder and check to see if the communication between the IC recorder and the computer is successful.

If a communication error occurs, repeat the above procedure from Step 1, select a different mode setting in Step 2 and check the operation again.

Notes

- In some cases the printer port mode setting may be changed when a different application is installed in the computer. In such a case, set the printer port mode again.
- If a printer or other devices had been connected to the printer port before using the ICD-PCLINK Software, the printer port mode setting selected in Step 2 may be automatically changed. In such a case, restart the computer. If the communication is still unsuccessful, you need to change the setting. We recommend you make a memo of the setting each time you change the setting.

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