SONY 3-264-818-**11** (1)

IC Recorder

Operating Instructions

Owner's Record

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

Model No. ICD-P28

Serial No.

IC Recorder ICD-P28

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http://www.sonv.net/

Information

IN NO EVENT SHALL SELLER BE LIABLE FOR ANY DIRECT INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY NATURE, OR LOSSES OR EXPENSES RESULTING FROM ANY DEFECTIVE PRODUCT OR THE USE OF ANY PRODUCT.

For the customers in the U.S.A.

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 narmful interference to radio or television reception, which car 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 measu

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and
- Connect the equipment into an outlet on a circuit different
- from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that any changes or modifications not

expressly approved in this manual could void your authority to operate this equipment. If you have any questions about this product, you may call:

Sony Customer Information Services Center (800)-222-7669 or write to:

Sony Customer Information Services Center 12451 Gateway Blvd. Fort Myers, FL 33913

Declaration of Conformity Trade Name:

Model No. Responsible Party: Address:

ICD-P28 Sony Electronics Inc 680 Kinderkamack Road, Oradell, NJ

201-930-6972

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

Precautions

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

• Do not operate the unit while driving, cycling or operating

• Do not leave the unit in a location near heat sources, or in a

place subject to direct sunlight, excessive dust or mechanical

• Should any solid object or liquid fall into the unit, remove the batteries and have the unit checked by qualified personnel before operating it any further.

- Noise may be heard when the unit is placed near an AC power source, a fluorescent lamp or a mobile phone during recording or playback
- Noise may be recorded when an object, such as your finger, etc., rubs or scratches the unit during recording.

• To clean the exterior, use a soft cloth slightly moistened in water. Do not use alcohol, benzine or thinner.

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

Backup recommendations

To avoid potential risk of data loss caused by accidental operation or malfunction of the IC recorder, we ommend that you save a backup copy of your recorded messages on a tape recorder or to a computer, etc.

Troubleshooting

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

The unit does not operate.

- The batteries have been inserted with incorrect
- The batteries are weak
- The buttons are locked with the HOLD switch. (If you press any button, "HOLD" will flash three

No sound comes from the speaker.

• The ear receiver or headphones are plugged in. The volume is turned down completely.

"FULL" is displayed and you cannot start

recording. The memory is full. Erase some of the messages 99 messages has been recorded in the selected

Noise is heard.

· An object, such as your finger, etc., accidentally rubbed or scratched the unit during recording so

folder. Select another folder or erase some of the

- that noise was recorded. • The unit was placed near an AC power source, a fluorescent lamp or a mobile phone during recording or playback.
- · Plug of the connected microphone was dirty when recording. Clean the plug.
- · Ear receiver/headphones plug is dirty. Clean the

Recording level is low.

· Press MIC SENS to display "HIGH"

Recording level is unstable (when recording music, etc.).

- This unit is designed to automatically adjust the recording level when recording meetings, etc., and is not suitable for music recording
- "--Y--M--D" or "--:-" is displayed. You have not set the clock

"--Y--M--D" or "--:-" is displayed on the

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

You cannot divide a message.

- · You cannot divide a message in a folder which has
- · If you divide messages frequently, the unit may
- become unable to divide a message · You cannot divide a message in the first or the last

You cannot combine a message.

 If you combine messages frequently, the unit may become unable to combine messages.

You cannot record messages up to the maximum recording time.

- If you record messages in a mixture of SP and LP modes, the recordable time varies from the maximum SP mode recording time to the
- maximum LP mode recording time.
- No more recording can be made when 99 messages each have been recorded in a folder. Due to the limitation of the IC recording system. this unit records in the minimum recording unit of approx. 9 seconds. If the length of each message

cannot be divided by the minimum recording unit,

the remaining recording time may decrease by

The remaining time displayed in the display window is shorter than that displayed in

more than the total length of the messages

the supplied "Digital Voice Editor" software. · The unit requires a certain amount of memory for system operation. That amount is subtracted from the remaining time, which is the reason for the

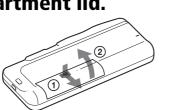
The unit does not operate correctly. Take out the battery and insert it again.

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

▶ Getting started

Step 1: Installing the Batteries

Slide and lift the battery compartment lid.



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

If the battery compartment lid is accidentally detached, attach it as illustrated.

Clock setting display appears when you insert batteries for the first time, or when you insert batteries after the unit has been without batteries for a certain period of time. Please refer to Steps 2 to 3 in "Step 2: Setting the Clock" to set the

Replacing the batteries

window shows the battery condition

When flashes, replace the When flashes, the batteries are exhausted and the unit will stop operation.

Battery life*

(size AAA)

With continuous use, approx. 15 hours recording/8 hours playback in the SP mode and 16 hours recording/9 hours playback in the LP mode is possible Using Sony alkaline batteries LR03

internal speaker with VOL control at around 4 The battery life may shorten depending on the operation of the

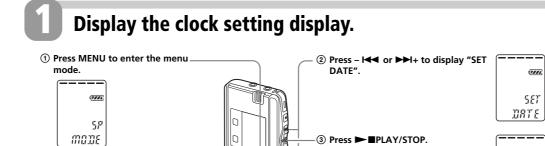
When playing back through the

The year digits will flash

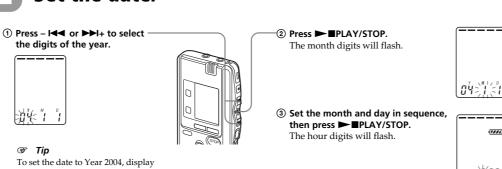
- Do not use manganese batteries for
- · When you replace the batteries, insert the new ones within 3 minutes after you removed the exhausted ones. Otherwise, the display may show the clock setting display or incorrect date and time when you reinsert the batteries. In this case, set the date and time
- The recorded messages and alarm setting, however, will remain.
- When replacing the batteries, be sure to replace both batteries with
- · Do not charge dry batteries
- · When you are not going to use the unit for a long time, remove the batteries to prevent damage from battery leakage and corrosion.

Step 2: Setting the Clock

Clock setting display appears when you insert batteries for the first time, or when you insert battery after the unit has been without battery for a certain period of time. In this case, proceed from step 2.



Set the date.



Set the time. Press – I◀◀ or ▶►I+ to select 3 Set the minute the digits of the hour. 形置 ____ ④ Press ►■PLAY/STOP at the time The display will return to "SET ② Press ►■PLAY/STOP. 587 The minute digits will flash. DATE ⑤ Press MENU to exit from the menu (00_{/00} ,

This unit does not have a power on/off switch. The display is shown at all

▶Basic Operations

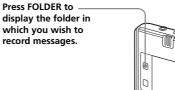
Recording Messages

You can record up to 99 messages in each of the five folders (A, B, C, D, and E). Since a newly recorded message is automatically added behind the last recorded message, you can start recording quickly without searching for the end of the

e.g. | Message 1 | Message 2 | Newly recorded message | Blank space

Before making a long recording, be sure to insert new batteries and check the battery

Select the folder.



Start recording.



message display*

То

You do not need to keep pressing ●REC/STOP while recording.



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

Do this

pause recording*	Press IPAUSE. During recording pause, the OPR indicator flashes in red and "PAUSE" flashes in the display window.	
release pause and resume recording	Press IIPAUSE or REC/STOP. Recording resumes from that point. (To stop recording after pausing recording, press STOP.)	
listen to the current recording	Press ●REC/STOP or STOP to stop recording, then press ▶■PLAY/STOP.	
review the current recording instantly	Press ►■PLAY/STOP during recording.	
select the microphone sensitivity	You can select the microphone sensitivity to display the following by pressing MIC SENS. HIGH: To record at meeting or in a quiet and/or spacious place. LOW: To record for dictation or in a noisy place.	

* About one hour after you pause recording, recording pause is automatically released

and the unit goes into the stop mode.

Note on recording

Noise may be recorded if an object such as your finger, etc., accidentall rubs or scratches the unit during

Maximum recording time The maximum recording time of all

the folders is as follows. You can record messages for the maximum recording time in a single folder.

9 h. 40 min. 15 h. 45 min. (h.: hours/mir ⁶ SP: Standard play recording mode (monaural sound) ** LP: Long play recording mode

. 00/₀₀

(lights in red during

recording.)

② Speak to the

microphone

The display selected

with the DISPLAY

button appears.

pressing STOP instead of

•REC/STOP.

built-in

- (monaural sound) To record in better sound quality select the SP mode. For switching the Recording Mode" on the reverse
- Before making a long recording, be sure to check the battery indicator The maximum recording time and the number of messages you can make varies depending on the
- conditions of use. When you record messages in the mixture of SP and LP mode, the maximum recording time will be between those for the SP and LP
- Due to the limitation of the IC recording system, this unit records in the minimum recording unit of approx. 9 seconds, therefore the following symptoms may occur When a message is shorter than
- the minimum recording unit, it is still counted as approx. 9 seconds so the remaining recording time will decrease by more than the actual length of the message. When the message is longer than

the minimum recording unit, the

remaining recording time will

decrease by more than the actual

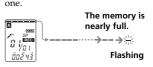
length of the message if it cannot be divided by the minimum recording unit without a The sum of the number on the counter (elapsed recording time)

and the remaining recording time

may be less than the unit's

Remaining memory

indication During recording, the remaining memory indicator decreases one by



When the remaining time of recording reaches 5 minutes, the last one of the indication flashes. When the remaining time of recording reaches 1 minute, the selected display mode and "REMAIN" will flash one after the other in the display window. When the memory is full, recording automatically stops and "FULL' will flash in the display window with an alarm sound. To continue recording, first erase some of the messages

- If you press ●REC/STOP when the memory is full, "FULL" will flash with an alarm sound. Erase some of the messages before you start recording again.
- If you press ●REC/STOP after you have recorded 99 messages, "FULL" will flash with an alarm sound. Select another folder or erase some of the messages

Number of

a folder

-EAR jack

OPR indicator

playback.)

(lights in green during

② Turn VOL to adjust the

Playing Back Messages

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

Select the message number.

* The display selected with the DISPLAY button appears (see the reverse side).

After playing back one message, the unit stops at the beginning of the next

side), the unit stops after playing all messages in a folder.

message. When the continuous play function is set to "ON" (see the reverse

When the last message on a folder has been played back, the unit stops at the

Connect an ear receiver or headphones (not supplied) to the EAR jack. The built-

in speaker will be automatically disconnected. If you plug in headphones, you

Do this

Press STOP

Press ►■PLAY/STOP.

Press - I once

Press ►►+ once

You can also pause playback by pressing $\blacksquare PAUSE$ instead of $\blacktriangleright \blacksquare PLAY/STOP.$

The OPR indicator will flash in green. After about one hour, the unit goes into the

press ►■PLAY/STOP again.

Press – I or ► + repeatedly.

pressed to skip the messages

(During stop mode, keep the button

resume playback from that point

will get output from the left channel only. If noise is heard, wipe the

Start playback.

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

Select the folder.

Press FOLDER to display

the folder you wish to

display the desired

- I◄ : for smaller

message number

▶►I+: for larger

① Press ►■PLAY/STOP.

Counter display (or the

selected display mode)

beginning of the last message

For private listening

headphones plug.

Other operations

stop at the beginning of

stop at the current position

(Playback Pause function)

go back to the beginning

skip to the next message

messages/skip to succeeding

stop mode at the current position

of the current message

go back to previous

messages

13 3/ I

message number.

— Repeat Play

selected message will be played back repeatedly. To resume normal playback, press

You can select the continuous pla When you set CONT to ON, you can play back all messages in a

backward during playback

pressed during playback and release the button at the point you wish to resume playback. To search backward, keep – ► pressed during playback and release the button at the point you wish to resume playback.

for more than 10 seconds, the unit starts to search at higher speed. review, fast playback sound can be heard. When searching at a higher speed, playback sound will not be

display mode setting. When fast playback is done to the end

while "END" is flashing, the messages are played back rapidly, and normal playback will start at the point you release the button. When "END" stops flashing and the

If the last message is long and you the message, keep ▶► + pressed to play back the message to the end and then press – ◄ while "END" is

message and play backward to the desired point.)

Plaving back a message repeatedly

►■PLAY/STOP for more than

"

" will be displayed and the

► ■PLAY/STOP again. To stop playback, press STOP. Playing back all messages in a folder continuously

— Continuous Play mode with the CONT in the menu

Searching forward/

(Cue/Review) To search forward, keep >> -

If you keep ▶►I+ or – I◀ pressed

For the first 10 seconds of cue/ During cue/review, the counter will be displayed, regardless of the

of the last message, "END" flashes 3 times. (You cannot hear the playback sound.) If you keep – ◄ pressed

> OPR indicator goes off, the unit will stop at the beginning of the last wish to start playback at a later part of

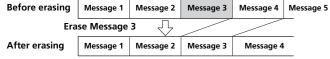
flashing to go back to the desired (For messages other than the last one go to the beginning of the next

Erasing Messages

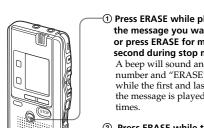
You can erase the recorded messages one by one or all messages in a folder at a Note that once a recording has been erased, you cannot retrieve it.

Erasing messages one by one

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



Remaining messages are renumbered



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

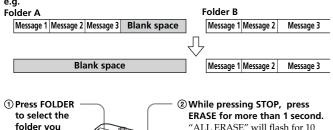
② Press ERASE while the message

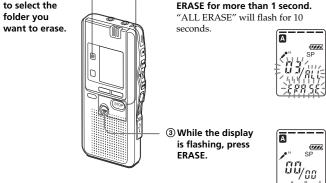
is being played back. The message is erased and the remaining messages will be renumbered. (For example, if you erase Message 3, Message 4 will be renumbered as Message 3. When erasing is completed, the unit will stop at the beginning of the

ι**Ω3**/<u>Ω</u>9 ,

Press STOP before step 3

Erasing all messages in a folder To cancel erasing





Main unit

(built-in microphone)

(microphone sensitivity)

Display window

FOLDER

DIVIDE

DISPLAY

MIC SENS

MENU

ERASE

Speaker

-Hook for handstrap

(not supplied)

Index to Parts and Controls

MIC jack

-II PAUSE

(ENTER)

(ENTER)

-HOLD

USB connector

Display window

Folder indication

Repeat play indicator

Alarm indicator

Remaining memory indicator

Microphone sensitivity indication

(PLUG IN POWER)

—EAR (earphone) jack

_OPR (operation) indicator

●REC (record) /STOP

- Idd / ▶►I+ SELECT

► ■PLAY/STOP

To cancel erasing

To erase other messages Repeat steps ① and ②

To erase a message partially

"ADD" or "OVER" and press **▶**■PLAY/STOP First divide the message and then • ADD: adds a recording to a follow the steps to erase the previously recorded message

To prohibit to add a recording In step 3 , select "OFF" and press ▶■PLAY/STOP

•OVER: adds an overwrite recording.

5 Press MENU to exit the menu mode.

▶ Various Ways of Recording

At a factory setting, you cannot add a recording not to

erase the message by accidental operation. If you want to

add a recording to a previously recorded message or add

an overwrite recording, change the REC-OP setting in the

made

[PEC - OP]

Adding a Recording

procedures below.

STOP.

will be displayed.

Using an Adding Recording

1 Press MENU to enter the menu

2 Press – I or ►►I+ to display

The adding recording window

3 Press – I or ►►I+ to select

4 Press – I◀◀ or ▶▶I+ to select

The setting is changed.

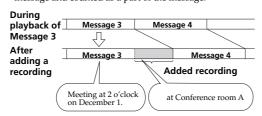
"REC-OP" and press ►■PLAY/

"ON" and press ►■PLAY/STOP.

Adding a Recording to a Previously Recorded Message

You can add a recording to the message being played

When "ADD" is selected in the menu The added recording will be placed after the current message and counted as a part of the message.



When "OVER" is selected in the menu

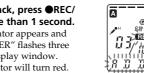
You can add an overwrite recording after the selected point in a recorded message. The part of the message after he selected point is deleted

The starting point of an overwrite recordin

The starting po	,	te record	iiig
Message 3		Messa	ge 4
		The de	eleted part o ge 3
Message 3	Messa	age 4	

Added overwrite recording in Message 3

1 During playback, press ●REC/ STOP for more than 1 second. The REC indicator appears and "ADD" or "OVER" flashes three times on the display window. The OPR indicator will turn red.

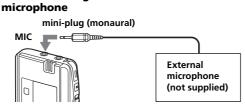


2 Press ●REC/STOP or STOP to stop the

Recording with an External Microphone or from Other **Equipment**

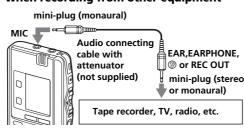
1 Connect a plug-in-power type microphone or other equipment to the MIC (PLUG IN POWER)

When recording with an external



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

When recording from other equipment



2 Follow the steps in "Recording messages" to record messages

Remaining battery

Recording mode

-REC (recording)

Selected message

number/number of

messages in a folder

indicator

indication

indicator

SP LP

REC

Counter / Remaining time indication / Recording date and

indication (ALARM, BEEP, etc.) / Mode indication of the

menu (ON, OFF, etc.) / Messages (ERASE, HOLD, etc.)

time indication /Current time indication (15:30, etc.) /Menu

- Make sure that the plugs are connected securely. We recommend you make a trial recording to check the
- \bullet When connecting equipment other than Sony's, $\,$ refer to the instruction manual of the equipment.

▶Other Functions

Dividing a Message into Two/ **Combining Messages**

- You can divide a message, or combine messages. You can divide a message into two while recording/
- playing back messages
- You can combine messages in stop mode

Due to the recording system of an IC recorder, you may not be able to divide or combine messages in some cases (see "Troubleshooting").

Dividing a Message

You can divide a message during recording or playback, so that the message is divided into two and the new message number is added to the divided message. By dividing a message, you can easily find the point you want to play back when you make a long recording such as a

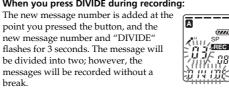
You can divide messages until the total number of messages in the folder becomes 99.

While recording or playing back a message, press

DIVIDE at the point you want to divide.

 When you press DIVIDE during recording: The new message number is added at the point you pressed the button, and the new message number and "DIVIDE"

be divided into two; however, the

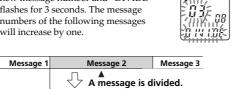


Message 1 Message 2 Message 3 A message is divided.

Recording continues

You can divide a message during recording pause

 When you press DIVIDE during playback: The message is divided into two at the point you pressed the button, and the new message number and "DIVIDE" flashes for 3 seconds. The message numbers of the following messages will increase by one.



You can divide a message after you have paused playback with

Message 1 Message 2 Message 3 Message 4

The message numbers increase.

To play the divided message

Press - or + to display the message number as the divided messages each have message numbers.

To play the divided messages continuously Select ON for CONT in the menu as described in "Playing Back All Messages in a Folder Continuously'

- If 99 messages have been recorded in a folder, you cannot divide a message. In that case, reduce the number of messages to 98 or less by erasing unnecessary messages or by moving some of the messages to another folder before dividing a message.
- If you divide a message with an alarm setting, the alarm setting remains only with the former message divided.

Combining Messages

You can combine two messages into one.

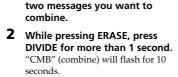
Message 1 Message 2 Message 3 Message 4 Messages are combined.

Message 1 Message 2 Message 3 The message numbers decrease.

83/

In stop mode, follow the steps below:

1 Press – I or ►►I+ to display the number of the second of the two messages you want to



3 Press ERASE while the display is flashing The two messages are combined into one and the messages will be renumbered as in the illustration

To cancel erasing Press STOP before step 3

Notes on dividing and combining messages

When recording with an IC recorder, the following symptoms may occur because of the limitation of the system, how they are not malfunction.

- If you divide or combine messages frequently, the unit may become unable to divide or combine message You cannot divide a message in the first or the last 1 second.
- · After combining messages, the latter message's alarm setting
- You cannot combine messages of different recording modes.

Moving Messages to a Different Folder — Move Function

You can move the recorded messages to another folder.

Example: Moving Message 3 in Folder A to Folder B

1 Play back the message you want

ู้นี้นี่สี่ 43้

88/ ₁₃

1.03/gg

While playing back the message, press FOLDER to flash the indication of the folder to which you want to move the message (B in this case). The first and last 5 seconds of the message will be played back 10 times, while the folder indication

and "MOVE" flash. 3 Press ►■PLAY/STOP. The message is moved in the destination folder. Messages are

To cancel moving the message(s) Press STOP before step 3.

sorted in order of the recorded

The move function does not duplicate a message in another in the previous folder will be deleted.

Playing Back a Message at a **Desired Time with an Alarm**

You can sound an alarm and start playback of a selected message at a desired time.

1 Use FOLDER and – I◀◀ / ▶►I+ to select the folder and the message you want to play back.

2 Enter the alarm setting mode. Press MENU. The unit enters the menu mode and "ALARM OFF" will be

displayed. (If "ALARM ON" is displayed, the alarm has been set. If you do not wish to change the setting, press MENU and exit the menu mode.)

"ALARM OFF (or ON)" will not appear and the alarm cannot be set if the clock has not been set or no message has been recorded in the selected folder.

② Press ►■PLAY/STOP "OFF" starts to flash

③ Press – I◄◄ or ▶►I+ to flash ④ Press ►■PLAY/STOP. "DATE" will flash in the display

3 Set the alarm date. To play back on a desired date

(the message will be played back at the same time on the same date every year until you erase the

① Press ►■PLAY/STOP while "DATE" is flashing. The year digits will flash.



: IIRTE

② Press – I◄◀ or ▶►I+ to select the year digits and press ■PLAY/STOP. The month digits will flash. 3 Set the month and day in

To play back once a week Press – I◀◀ or ▶▶I+ to select the day of the week.

sequences.

"DAILY".

To play back at the same time every day Press – I◀◀ or ▶▶I+ to select



SFR (

4 Press ►■PLAY/STOP **Selecting the Display Mode** The hour digits will flash.

>8:00

8-PL 89

[] 3/ m

000 00

5 Set the alarm time.

Press – I◀◀ or ▶►I+ to select

the hour digits and press

The minute digits will flash.

② Press – I◄ or ▶►I+ to select

the minute digits and press

Press – I◀◀ or ▶▶I+ to select the

PLAY" (playing back the message

(alarm only) and press ►■PLAY/

"(•)" is displayed when the number of the message with

At the set time, the alarm will sound for about 10 seconds

To cancel the alarm setting before the

even when the HOLD function is activated.

displayed, preventing new settings.

the first message will be played back.

message will be played back.

alarm setting will be cancelled.

setting will be cancelled.

cancelled.

alarm time

Press STOP while the alarm sound is heard. You can stop

You cannot set the alarm if you have not set the clock or there

is no message in the selected folder (the unit will not enter

the alarm setting mode when you press MENU in Step 2).

previously set time on another message, "PRE SET" will be

played back with an alarm, the playback stops and the new

If the alarm time comes during recording, alarm will sound

for 10 seconds after the recording is finished and playback

• If more than one alarm time comes during recording, only

When the alarm time comes when the unit is in the menu

• If you erase the message you set the alarm to play back, the

• If you divide a message with the playback alarm, playback

You can adjust the playback volume with the VOL control.

10 seconds after the erasing is finished and playback begins

Alarm setting will not be cancelled when the alarm playback

will stop at the point you divided a message.

finishes. To cancel alarm setting, see below

mode, alarm will sound and the menu mode will be

begins. "(*)" will flash when the alarm time comes.

If you try to set the alarm to play back a message at a

• If the alarm time comes while another message is being

alarm sound either from "B-

after the alarm) or "B-ONLY"

"ALARM ON" and "(*)" will be

displayed to indicate that the

setting has been completed.

7 Press MENU to exit the menu

alarm setting is selected.

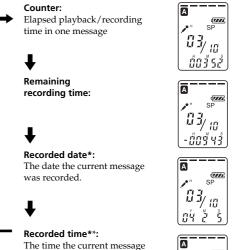
playback starts

▶■PLAY/STOP.

■PLAY/STOP.

You can select the display mode for the stop, recording and playback modes. (If the unit is left unoperated for more than 3 seconds in the stop mode, the display will show the current time, regardless of the display mode

Each time you press DISPLAY, the display mode will change as shown below:



03_{/10} 12:34

display is shown at all times, which will not almost HOLD switch in the direction of the arrow in the stop

urns off in the window. To turn on the display, slide the HOLD switch in the opposite direction.

mone)

▶ ■PLAY/STOP.

• If you combine messages with the playback alarm, the alarm · If the alarm time comes during erasing, alarm will sound for

■PLAY/STOP.

To cancel the alarm setting or change the

□ **3**/μ9. .

1 Select the message you set the alarm to play back, and press MENU. "ALARM ON" will be displayed.

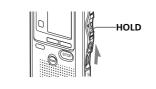
2 Press ►■PLAY/STOP to flash "ON". 3 To cancel the alarm setting: Press – I or ►►I+ to flash "OFF" and press ►■PLAY/STOP.

To change the alarm date and time: Press ►■PLAY/STOP. When the alarm date is displayed, follow the steps 3 to 5 above to change the alarm date

4 Press MENU to exit the menu mode.

Preventing Accidental Operation — HOLD function

Slide the HOLD switch in the direction of the arrow "HOLD" will flash three times, indicating that all the ctions of the buttons are locked



When the HOLD function is activated during stop, all the display will be turned off after "HOLD" flashes three

To cancel the HOLD function Slide the HOLD switch in the opposite direction of the

When the HOLD function is activated during recording, cancel

the HOLD function first to stop recording. Even if the HOLD function is activated, you can stop the alarm

playback. To stop the alarm or playback, press STOP

"HOLD" will flash for three times and then the display

Turning off the Beep Sound

1 Press MENU to enter the menu ____

2 Press – I◀◀ or ▶▶I+ to display "BEEP ON (or OFF)" and press

"ON (or OFF)" will flash.

3 Press – I◀◀ or ▶▶I+ to select "ON" or "OFF" and press The setting is completed.

4 Press MENU to exit the menu



BE EP

OFF

Changing the Recording Mode

SP: You can record with better sound (monaural sound). LP: You can record for longer time (monaural sound).

1 Press MENU to enter the menu ana me 2 Make sure that "MODE" is ____ displayed and press ►■PLAY/

3 Press – I◀◀ or ▶▶I+ to select "SP" or "LP" and press **▶**■PLAY/STOP. Now the setting is completed

"SP (or LP)" will flash.

4 Press MENU to exit the menu The selected recording mode is

displayed.

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Playing Back All Messages in a **Folder Continuously**

CONT ON: You can play back all messages in a folder CONT OFF: Playback stops at the end of each message.

1 Press MENU to enter the menu

made 2 Press – I or ►►I+ to display ____ "CONT" and press ►■PLAY/ SAFE CONT ____

EONT

 $\overline{}$

your computer

■PLAY/STOP. Now the setting is completed.

Press – I◀◀ or ▶▶I+ to select

"ON" or "OFF" and press

"OFF (or ON)" will flash.

STOP.

4 Press MENU to exit the menu mode

Turning off the OPR Indicator (LED)

STOP "ON (or OFF)" will flash

3 Press – I or ► I+ to select "OFF" and press ►■PLAY/STOP.

Now the setting is completed

4 Press MENU to exit the menu

Using the "Digital Voice Editor" Software

supplied USB cable, you can use the "Digital Voice Editor" software to do the following:

By connecting the IC recorder to your computer with the

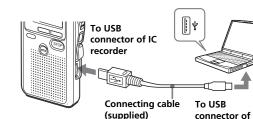
 Saving the IC recorder messages on your computer's hard disk. Transferring the PC messages back to the IC recorder.

• Sending a voice e-mail message using MAPI e-mail For the details, see the supplied "Digital Voice Editor 2"

Plaving or editing the messages on your computer.

Connection

software operating instructions.



Specifications

SP: 9 hours 40 minutes 180 Hz - 3,500 Hz

Speaker approx. $3.2 \text{ cm} (1 \, {}^{5}/_{16} \text{ in.}) \text{ dia.}$ Power output

> • Earphone jack (minijack) for 8 - 300 ohms ear receiver/headphones Plug in power

3 kilohms or lower impedance microphor

Dimensions (w/h/d) (not incl. projecting parts and $44.5 \times 105.3 \times 14.0 \text{ mm} \left(1^{13}/_{16} \times 4^{1}/_{4} \times {}^{9}/_{16} \text{ in.}\right)$

Supplied accessories LR03 (size AAA) alkaline batteries (2) (For the

Electret Condenser Microphone ECM-C10,

Your dealer may not handle some of the above listed optional accessories. Please ask the dealer for detailed

and the selected message will be played back. (If you have selected "B-ONLY", only the alarm will sound.) During recording and playback, the OPR (operation) During playback, "ALARM" will flash in the display * If the clock has not been set, "--Y--M--D" will be displayed. indicator lights or flashes. You can set the OPR indicator **If the clock has not been set, "--:-" will be displayed. to turn off even in operation. When the playback ends, the unit will stop automatically at the beginning of that message To turn off the display 1 Press MENU to enter the menu mode. This unit does not have a power on/off switch. The 2 Press – I or ►►I+ to display To listen to the same message again Press ▶■PLAY/STOP. The same message will be played "LED " and press ►■PLAY/ influence the battery life. To turn off the display, slide the back from the beginning

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



Recording media Built-in flash memory, Monaural recording Recording time

LP: 15 hours 45 minutes

250 mW

 Microphone jack (minijack, monaural) Minimum input level 0.6 mV

Two LR03 (size AAA) alkaline batteries: 3 V DC

71 g (2.5 oz)

U.S.A. only) USB connecting cable (1) Application software (CD-ROM) (1)

ECM-DM5P, ECM-Z60 Audio connecting cable RK-G64HG (excluding

Design and specifications are subject to change without