

IC Recorder

Operating Instructions ICD-B500

IC Recorder ©2007 Sony Corporation Printed in China

For the customers in the

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

INFORMATION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications However, there is no guarantee that interference will

not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures

- Reorient or relocate the receiving antenna. - Increase the separation between the equipment and
- Connect the equipment into an outlet on a circuit different from that to which the receiver is
- 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

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.

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

For customers in Europe

Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other **European countries with** separate collection systems)



This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly,

you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact vour local Civic Office, vour household waste disposal service or the shop where you purchased

the product. Cinappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local Civic Office, your household waste disposal service or the shop where you purchased

Disposal of waste batteries (applicable in the European Union and other European countries with separate collection systems)



This symbol on the battery or on the packaging indicates that the battery provided with this product shall not be treated as household waste.

By ensuring these batteries are disposed of correctly, you will help prevent potentially negative consequences

for the environment and human health which could otherwise be caused by inappropriate waste handling of the battery. The recycling of the materials will help to conserve natural resources. In case of products that for safety, performance or data integrity reasons require a permanent connection with an incorporated battery, this battery should be replaced by qualified service staff only.

To ensure that the battery will be treated properly, hand over the product at end-of-life to the applicable collection point for the recycling of electrical and electronic equipment. For all other batteries, please view the section on how to remove the battery from the product safely Hand the battery over to the applicable collection point for the recycling of waste batteries. For more detailed information about recycling of this product or battery, please contact your local Civic Offi ce, your household waste disposal

service or the shop where you purchased the

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-B500

http://www.sony.net/

Notice for customers: the following information is only applicable to equipment sold in countries applying EU directives

The manufacturer of this product is Sony Corporation, 1-7-1 Konan, Minato-ku, Tokyo, Japan. The Authorized Representative for EMC and product safety is Sony Deutschland GmbH, Hedelfinger Strasse 61, 70327 Stuttgart, Germany. For any service or guarantee matters, please refer to the addresses given in separate service or guarantee

Troubleshooting

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

The unit does not operate.

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

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 message • 99 messages have been recorded in the selected folder. Select another folder or erase some of the

Noise is heard.

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

Recording level is low.

• Set the microphone sensitivity to "H (high)" using

Recording is interrupted.

• The advanced VOR function is activated. Set VOR

Recording level is unstable (when recording music, etc.). • This unit is designed to automatically adjust the

is not suitable for music recording "--Y--M--D" or "--:-" is displayed.

recording level when recording m

• You have not set the clock. "--Y--M--D" or "--:--" is displayed on the

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

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 1

It takes longer for the unit to start operation.

• If you divide messages too frequently while the unit is recording them, the following phenomenon may occur: The OPR indicator keeps flashing, and you cannot operate the unit for a certain period. This is not a malfunction. Wait until the OPR indicator

You cannot record messages up to the maximum recording time.

- If you record messages in a mixture of HQ, SP and LP modes, the recordable time varies from the maximum HQ mode recording time to the maximum LP mode recording time.
- 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. If the length of each message cannot be divided by the im recording unit, the remaining recording time may decrease by more than the total length of

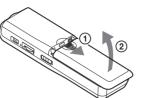
The unit does not operate correctly. · Take out the batteries and insert them again

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

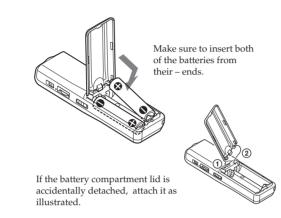
▶ Getting started

Step 1: Installing the Batteries

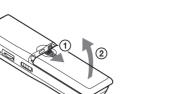
Slide and lift the battery compartment lid.



Insert two LR03 (size with correct polarity, and close the lid.



Please refer to Steps 2 to 3 in "Step 2: Setting the Clock" to set the



AAA) alkaline batteries

Clock setting display appears when you insert batteries for the first time, or when you replace the batteries with new ones.

Replacing the batteries The battery indicator in the display window shows the battery

condition When "

"flashes, replace the batteries with new ones When "G" flashes, the batteries are exhausted and the unit will

stop operation.

(size AAA)

Battery life* With continuous use, approx. 11 hours recording/7.5 hours playback in the HQ mode, and approx. 22 hours recording/11 hours playback in the SP and LP modes is possible. * Using Sony alkaline batteries LR03

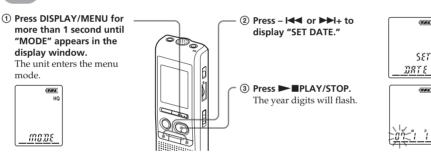
When playing back through the internal speaker with the medium volume level The battery life may shorten depending on the operation of the

- · Do not use manganese batteries for this unit.
- When you replace the batteries with new ones, the clock setting display appears. In this case, set the date and time again. 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. • The unit is accessing data while "ACCESS" appears in the display window. While accessing, do not remove the batteries. Doing so may damage the data.

Step 2: Setting the Clock

Clock setting display appears when you insert batteries for the first time, or when you replace the batteries with new ones. In this case, proceed from step 2. Remove the film on the display window before you use the IC recorder

Display the clock setting display.



Set the date.



To set the date to Year 2007, display "07Y."

Set the time. ① Press – I◀◀ or ▶▶I+ to select (3) Set the minute the digits of the hour. Press ► ■PLAY/STOP at the time signal. The display will return to 587 "SET DATE." DRTE 00 ② Press ►■PLAY/STOP. Press ■STOP to exit from The minute digits will flash the menu mode. If the unit is left unused for more than 3 seconds in the stop mode, the display will 8:20

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

Power source

To turn the power off, slide the HOLD switch in the direction of the



→ HOLD

▶Basic Operations

Recording Messages

You can record up to 99 messages in each of the four folders (A, B. C. and D). 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 last recording.

Message 1 Message 2 Newly recorded message Blank space

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

Select the recording

mode. See "Changing the Recording Mode" on the

reverse side

Select the folder.





Remaining memory indicator

- 144

(Review)

You do not need to keep pressing ●IIREC/PAUSE while

Stop recording. ■PLAY/STOP **PAUSE** Press ■STOP The unit stops at the beginning of the current

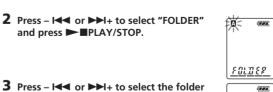
If you do not change the folder after you stop recording, the next time you record you will record in the same folder.

| То | Do this |
|--|---|
| pause recording* | Press •IIREC/PAUSE. During recording pause, the OPR indicator flashes in red and "PAUSE" flashes in the display window. |
| release pause and resume recording | Press •IIREC/PAUSE. Recording resumes from that point. (To stop recording after pausing recording, press •STOP.) |
| listen to the current | Press ■STOP to stop recording, then press recording ▶■PLAY/STOP. |
| review the current recording instantly | Press ▶■PLAY/STOP during recording. |
| search backward during recording (Review) | Hold down – I◀◀ during recording or recording pause. Recording mode will be released, and reviewing of the current recording starts. If you release the button, playback starts from that point. |
| select the microphone sensitivity | You can select the microphone sensitivity using the menu. See "Selecting the Microphone Sensitivity." H (high): To record at meeting or in a quiet and/or spacious place. L (low): To record for dictation or in a noisy place. |

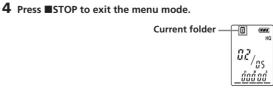
* About one hour after you pause recording, recording pause is automatically released and the unit goes into the stop mode.

Selecting the Folder

1 Press DISPLAY/MENU for more than 1 second until "MODE" appears in the display window.



you want and press ►■PLAY/STOP.



Note on recording Noise may be recorded if an object such as your finger, etc., accidentally

rubs or scratches the unit during recording

Maximum recording time The maximum recording time of all the folders is as follows. You

singl

HQ*

SP**

| record messages for the | | |
|--------------------------|---------------|--|
| imum recording time in a | | |
| le folder. | | |
| + | 30 h. 25 min. | |
| | 81 h. 15 min. | |

- LP*** 150 h. 15 min. (h.: hours/min.: minutes HQ: High quality recording mode
- (monaural sound) ** SP: Standard play recording mode (monaural sound)
- ***LP: Long play recording mode
- Notes . To record in better sound quality select the HQ mode. For switching
- the recording mode, see "Changing the Recording Mode" on the reverse side.
- Before making a long recording, be sure to check the battery indicator The maximum recording time and
- the number of messages you can make vary depending on the conditions of use. When you record messages in the
- the maximum recording time will be between those for the HQ and LP modes. • Due to the limitation of the IC

mixture of HO, SP and LP mode.

- cording system, this unit records in the minimum recording unit of approx. 2 seconds at most, nerefore the following symptor may occur: When a message is shorter than
- is still counted as approx. 2 seconds at most 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 that

the actual length of the message

if it cannot be divided by the

m recording unit without a remainder. The sum of the number on the counter (elapsed recording time) and the remaining recording time may be less than

indication During recording, the remaining memory indicator decreases one

The memory is

nearly full.

Remaining memory

Flashing When the remaining time of recording reaches 5 minutes, the last one of the indication flashes If the remaining recording time display mode is selected, "REMAIN" and the counter display flash when the remaining

To continue recording, first erase some of the messages

time reaches 1 minute.

• If you press ●■■REC/PAUSE 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/PAUSE after you have recorded 99 messages, "FULL" will flash with an alarm sound. Select another folder or erase some of the messages

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

When VOR (voice operated recording) is set to "ON" in the menu, recording starts when the recorder detects sound. ("VOR" is displayed in the display window.)



mane

FOLDER

Recording stops when no sound is heard. ("VOR PAUSE" flashes in the display window.)

VOR function is affected by the sound around you. Set the microphone sensitivity to "H (high)" or "L'(low)" using the menu. If recording is not satisfactory after you have changed the microphone

sensitivity, or for important

recording, set VOR to "OFF."

SE #5 4 Press ■STOP to exit the menu mode.

SE HS

Selecting the Microphone Sensitivity

1 Press DISPLAY/MENU for more than 1 second until "MODE" appears in the

press ►■PLAY/STOP.

press ► ■PLAY/STOP

2 Press – I or ►►I+ to select "SENS" and

3 Press – I or ►►I+ to select "H (high

sensitivity)" or "L (low sensitivity)" and

Playing Back Messages

When playing back a previously recorded message, start from

When playing back a message you have just finished recording,

Select the message



number. Press – I◀◀ or ▶▶I+ to display the desired

- I◄◄: for smaller message number ▶►I+: for larger message number

Selected message number HQ Number of messages in a folder

* The display selected with the DISPLAY/MENU button appears (see

Start playback.

① Press ►■PLAY/STOP



After playing back one message, the unit stops at the beginning of the next message. When the continuous play function is set to "ON" (see the reverse side), the unit stops after playing all messages in a folder.

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

For private listening Connect an ear receiver or headphones (not supplied) to the (headphone) jack. The built-in speaker will be automatically

stops at the beginning of the last message

messages/skip to succeeding

messages

Other operations Do this Press ▶■PLAY/STOP or stop at the current position ■STOP. To resume playback from that point, press ►■PLAY/STOP again. Press - I once. go back to the beginning of the current message skip to the next message Press ▶► + once. go back to previous Press – ► or ► I+

repeatedly. (During stop

pressed to skip the messages

mode, keep the button

disconnected. If noise is heard, wipe the headphones plug.

Playing back a message repeatedly - Repeat Play

During playback, press

▶■PLAY/STOP for more than one second

"

" will be displayed and the selected message will be played back repeatedly. To resume normal playback, press

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

in a folder continuously — Continuous Play You can select the continuous play mode with "CONT" in the menu When you set "CONT" to "ON," you can play back all messages ir a folder continuously

Searching forward/

backward during playback (Cue/Review) To search forward, keep ▶▶Ipressed during playback and release the button at the point yo wish to resume playback. To search backward, keep – ► pressed during playback and

release the button at the point you

wish to resume playback.

If you keep ▶► + or – ► pressed, the unit starts to search at higher speed. For the first 10 seconds of cue/ review, fast playback sound can be heard. When searching at a higher speed, playback sound will not be heard. During cue/review, the counter

will be displayed, regardless of the display mode setting. When fast playback is done to the end of the last message, "END" flashes for 5 seconds. (You cannot hear the playback sound.) If you keep - ◄ pressed while "END" is flashing, the messages are played back rapidly, and normal playback

When "END" stops flashing and the OPR indicator goes off, the unit will stop at the beginning of the last wish to start playback at a later part

will start at the point you release the

and then press – ◄ while "END" is flashing to go back to the desired (For messages other than the last one, go to the beginning of the next message and play backward to the

of the message, keep ▶► + pressed

to play back the message to the end

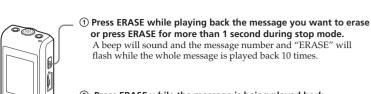
Erasing Messages

You can erase the recorded messages one by one or all messages in a folder at a time. 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

Message 1 | Message 2 | Message 3 | Message 4 | Message 5 Erase Message 3 After erasing Message 1 | Message 2 Message 3 Message 4 Remaining messages are renumbered.



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 following message.)



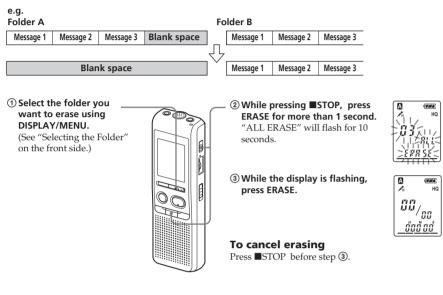
To cancel erasing Press ■STOP before step ②

To erase other messages Repeat steps 1 and 2.

To erase a message partially

First divide the message and then follow the steps to erase the message.

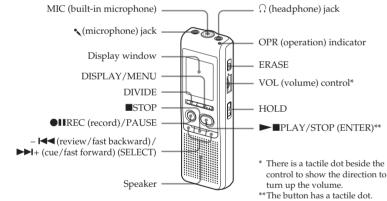
Erasing all messages in a folder



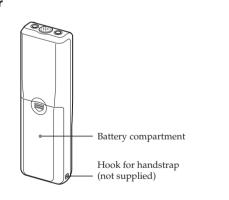
Index to Parts and Controls



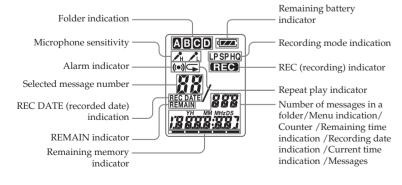
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Rear



Display window



► Various Wavs of Recording

▶Other Functions

Dividing a Message

You can divide a message during recording or

two and the new message number is added to

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

message, press DIVIDE at the point you

of messages in the folder becomes 99.

While recording or playing back a

When you press DIVIDE during

added at the point you pressed

"DIVIDE" flash for 3 seconds

The message will be divided

Message 1 Message 2 Message 3

When you press DIVIDE during

The message is divided into

the button, and the new

following messages will

message number and

two at the point you pressed

"DIVIDE" flash for 3 seconds

The message numbers of the

A message is divided.

You can divide a message during recording pause

Message 1 Message 2 Message 3

Message 1 Message 2 Message 3 Message 4

To play the divided message

To play the divided messages

in "Playing Back All Messages in a Folder

message numbers

dividing a message

message divided.

last 1 second.

Function

another folder

Notes

Press – I or ▶ I+ to display the message

number as the divided messages each have

Select "ON" for "CONT" in the menu as described

• If 99 messages have been recorded in a folder,

reduce the number of messages to 98 or less by

you cannot divide a message. In that case,

erasing unnecessary messages or by moving

alarm setting remains only with the former

• You cannot divide a message in the first or the

• If you divide a message frequently, the unit may

• Once a message is divided, you cannot combine

• If you divide messages too frequently while the

phenomenon may occur: The OPR indicator

keeps flashing, and you cannot operate the unit

for a certain period. This is not a malfunction.

the divided messages with the IC recorder.

become unable to divide a message.

unit is recording them, the following

Wait until the OPR indicator goes off.

Moving Messages to a

Different Folder — Move

You can move the recorded messages to

1 While the unit is stopped,

select the message you

2 Press DISPLAY/MENU for

display window.

3 Press – I or ►►I+ to

The destination folder

4 Press – I◀◀ or ▶►I+ to

5 Press ►■PLAY/STOP.

6 Press ■STOP to exit the

Press ■STOP before step 5

be deleted.

destination folder.

menu mode

■PLAY/STOP.

indication flashes.

select "MOVE" and press

select the folder to which

you want to move the

message (C in this case).

The message is moved in the

To cancel moving the message(s)

The move function does not duplicate a message in

another folder, the one in the previous folder will

another folder. When you move a message to

more than 1 second until

"MODE" appears in the

want to move.

Example: Moving Message 3 in Folder A to

183/25

maxe

MD 48

MO YE

33/

some of the messages to another folder befor

• If you divide a message with an alarm setting, the

A message is divided.

The message numbers increase.

Recording continues

The new message number is

the button, and the new

message number and

into two; however, the

without a break.

playback:

messages will be recorded

want to divide.

playback, so that the message is divided into

the divided message. By dividing a message,

Adding a Recording to a **Previously Recorded** Message

You can add a recording to the message being The added recording will be placed after the current message and counted as a part of the

During playback of Message 3 Message 3 Message 4 After adding a recording Message 4 Message 3 Added recording Meeting at 2 o'clock on December 1.

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1 During playback, press

> The OPR indicator will turn The new recording will be added at the end of the current message.

●■■REC/PAUSE for more

The "REC" indication appears

seconds in the display window.

and "ADD" will flash for 3

than 1 second.

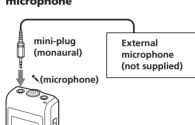
2 Press ■STOP to stop the recording.

- You cannot add a recording if the remaining memory is not long enough.
- The added portion of a message will be recorded in the same recording mode (HQ, SP, or LP).

Recording with an External Microphone or from Other Equipment

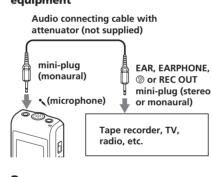
1 Connect a plug-in-power type microphone or other equipment to the < (microphone) jack.

When recording with an external microphone



When you connect an external microphone, the built-in microphone is automatically cut off. When a plug in power type microphone is connected, power is automatically supplied to the microphone from the IC recorder

When recording from other



2 Follow the steps in "Recording Messages" on the front side to record messages.

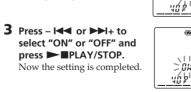
- Make sure that the plugs are connected securely • We recommend you make a trial recording to
- check the connections and volume control refer to the instruction manual of the equipment.

Starting Recording Automatically in Response to the Sound — Advanced **VOR function**

VOR ON: The VOR (Voice Operated Recording) function is activated. Recording starts when the unit detects sound and stops when no sound is heard, eliminating recording from soundless period The VOR function is disabled.

Normal recording operation is 1 Press DISPLAY/MENU for more than 1 second until "MODE" appears in the display window.

2 Press – I or ►►I+ to display "VOR" and press **■**PLAY/STOP. "OFF (or ON)" will flash.



4 Press ■STOP to exit the menu mode.



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. If you select "B-ONLY" in Step 6, an alarm sounds only and playback will not start.

1 Select the folder (See "Selecting the Folder" on the front side) and display the message you want to play back with an alarm.

2 Enter the alarm setting

① Press DISPLAY/MENU for more than 1 second until "MODE" appears in the display window

② Press – I◄◀ or ▶►I+ to select "ALARM OFF" (If the alarm has already set to the selected message, "ALARM ON" is 81.88 W displayed. If you do not wish to change the setting, press STOP and exit the menu mode.)

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311/2

"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

③ Press ►■PLAY/STOP.

ar ak ili ④ Press – I◀◀ or ▶►I+ to select "ON". "ON" starts to flash r uk i W ⑤ Press ►■PLAY/STOP "DATE" will flash in the

display window.

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 message)

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

② Press – I◄◄ or ▶►I + to select the year digits and press **►■PLAY/STOP**. กทั่วซึ่/<ร้ The month digits will ③ Press – I◄◄ or ▶►I+ to

select the month digits and press ►■PLAY/ STOP. The day digits will flash.

(4) Press – I or ▶I+ to select the day digits.

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

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

4 Press ►■PLAY/STOP. The hour digits will flash

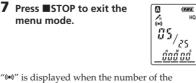
5 Set the alarm time. Press – I◀◀ or ▶►I+ to select the hour digits and ss ►■PLAY/STOP The minute digits will

② Press – I◄◄ or ▶►I+ to select the minute digits and press ►■PLAY/ "B-PLAY" will be displayed

6 Set the alarm sound. Press – I◄◄ or ▶►I+ to select the alarm sound either from "R-PI AY" (playing back the message after the alarm)

or "B-ONLY" (alarm only) ② Press ►■PLAY/STOP. displayed.

7 Press ■STOP to exit the menu mode



81,88 M

message with alarm setting is selected. At the set time, the alarm will sound for about 10 seconds and the selected message will be played back. During playback, "ALARM" will flash in the display window. When the playback ends, the unit will stop automatically at the beginning of that message.

To listen to the same message

again Press ▶■PLAY/STOP. The same message will be played back from the beginning.

To cancel the alarm setting before the playback starts Press STOP while the alarm sound is heard.

You can stop even when the HOLD function is activated.

• 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 DISPLAY/MENU in Step 2).

. If you try to set the alarm to play back a message at a previously set time on another message "PRE SET" will be displayed, preventing new If you try to set the alarm to the time before the

current time, "BACK-D" appears in the display vindow and you cannot set the alarm.

 If the alarm time comes while another message i being played back with an alarm, the playback stops and the new message will be played back If the alarm time comes during recording, alarm will sound for 10 seconds after the recording is finished and playback begins. "(*)" will flash

when the alarm time comes **3** Press – I **◄ or** ►►I+ to · If more than one alarm time comes during select "ON" or "OFF" and recording, only the first message will be played press **►**■PLAY/STOP. The setting is completed.

· When the alarm time comes when the unit is in the menu mode, alarm will sound and the menu mode will be cancelled.

· If you erase the message you set the alarm to play back, the alarm setting will be cancelled. If you divide a message with the playback alarm playback will stop at the point you divided a

 You can adjust the playback volume with the VOL control.

• If the alarm time comes during erasing, alarm will sound for 10 seconds after the erasing is finished and playback begins.

 Alarm setting will not be cancelled when the alarm playback finishes. To cancel alarm setting, see below

To cancel or change the alarm setting

1 Select the message you set the alarm to play back, and press DISPLAY/MENU for more than 1 second to enter the menu mode 2 Press – ► or ► + to select "ALARM

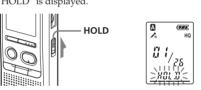
3 Press ►■PLAY/STOP to flash "ON." 4 To cancel the alarm setting: Press – I◀ or ►► + to flash "OFF" and press ►■PLAY/

To change the alarm setting: Press ▶■PLAY/STOP. When the alarm date is displayed, follow the Steps 3 to 6 of "Playing Back a Message at a Desired Time with an Alarm" to change the alarm setting

5 Press ■STOP to exit the menu mode

Preventing Accidental Operation — **HOLD** function

Slide the HOLD switch to "ON." "HOLD" will appear for 3 seconds, indicating that all the functions of the buttons are locked. When the HOLD function is activated during stop, all the display will be turned off after "HOLD" is displayed.



To cancel the HOLD function Slide the HOLD switch to "OFF

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.

Selecting the Display Mode

You can select the display mode for the stop, recording and playback modes. Each time you press DISPLAY/MENU, the display mode will change as shown belov

181/28

8:45

15:35

TON THE CURRENT TIME DESCRIPTION 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 setting.

Counter:

Elapsed playback/ recording time in one message *00253* Remaining time (REMAIN) In the playback mode: The remaining time of one message indication. In the stop and recording mode: The remaining recording time indication.

Recorded date (REC The date the current message was recorded.

Recorded time (REC **DATE)****: The time the current message was recorded.

* If the clock has not been set, "--Y--M--D" will be **If the clock has not been set, "--:-" will be

displayed.

Turning off the Beep Sound

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 times

"ON (or OFF)" will flash

4 Press ■STOP to exit the

Mode

Changing the Recording

HQ: You can record with the high quality

LP: You can record for longer time (monaural

SP: You can record with better sound

sound (monaural sound)

(monaural sound)

1 Press DISPLAY/MENU for

more than 1 second until

"MODE" appears in the

2 Make sure that "MODE" is

"HQ (or SP, LP)" will flash

3 Press – I **←** or **►►**I+ to

4 Press ■STOP to exit the

menu mode.

displayed.

displayed.

select "HQ", "SP" or "LP"

and press ►■PLAY/STOP

Now the setting is completed.

The setting becomes effective

and the normal screen will be

If the unit is left unoperated

for more than 3 seconds, the

time and the selected

recording mode will be

1 Press DISPLAY/MENU for

more than 1 second until

"MODE" appears in the

2 Press – I or ►►I+ to

"OFF (or ON)" will flash

3 Press – I **◄ or** ►►I+ to

select "ON" or "OFF" and

Now the setting is completed.

press ►■PLAY/STOP.

4 Press ■STOP to exit the

menu mode.

► ■PLAY/STOP.

display "CONT" and press

display will show the current

Playing Back All Messages

CONT ON: You can play back all messages in

a folder continuously

CONT OFF: Playback stops at the end of each

in a Folder Continuously

displayed and press

► PLAY/STOP.

display window

sound)

1 Press DISPLAY/MENU for more than 1 second until "MODE" appears in the

maae 2 Press – I ← or ►►I+ to display "BEEP ON (or OFF)" and press ►■PLAY/STOP

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CONT

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benzine or thinner.

If you have any questions or problems

Backup recommendations

messages on a tape recorder, etc.

Specifications

Recording media Built-in flash memory 256 MB, Monaural recording

HQ: 30 hours 25 minutes SP: 81 hours 15 minutes LP: 150 hours 15 minutes

HQ: 260 Hz - 6,800 Hz SP: 220 Hz - 3,400 Hz LP: 220 Hz - 3,100 Hz

Speaker

250 mW

•Microphone jack (minijack, monaural)

Plug in power Minimum input level 0.6 mV

batteries: 3 V DC

and controls

 $34.6 \times 109.5 \times 18.0 \text{ mm}$ $(1^{3}/_{8} \times 4^{3}/_{8} \times {}^{23}/_{32} \text{ in.})$

Operating instructions (1)

model) Electret Condenser Microphone ECM-DM5P, ECM-CZ10, ECM-TL1 (for

telephone recording) Audio connecting cable RK-G64HG / RK-G69HG (excluding Europe)

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

Design and specifications are subject to change

On noise

unit, remove the batteries and have the unit checked by qualified personnel before operating it any further.

• Operate the unit only on 3 V DC. Use two

• Do not operate the unit while driving, cycling

• Do not leave the unit in a location near heat

Should any solid object or liquid fall into the

sunlight excessive dust or mechanical shock

sources, or in a place subject to direct

LR03 (size AAA) alkaline batteries

or operating any motorized vehicle

 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

Precautions

On power

On safety

On handling

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

concerning your unit, please consult your nearest Sony dealer.

To avoid potential risk of data loss caused by accidental operation or malfunction of

the IC recorder, we recommend that you save a backup copy of your recorded

Actual usable capacity may be smaller.

Frequency range

approx. 2.8 cm (1 $^{1}/_{8}$ in.) dia. Power outpu

•Headphone jack (minijack) for 8 - 300 ohms ear receiver/headphones

Two LR03 (size AAA) alkaline

Dimensions (w/h/d) (not incl. projecting parts

Mass (incl. batteries) 65 g (2.3 oz)Supplied accessories

> LR03 (size AAA) alkaline batteries (2) Headphone (1) (excluding the U.S.A., Canada, Europe and Tourist model) Carrying pouch (1) (excluding the U.S.A., Canada, Europe and Tourist

Optional accessories

Active speaker SRS-T88, SRS-T80 for detailed information.