USER'S MANUAL

VR–PCM880,VR–N980
S–70,A–70 Series

CENÍX

www.cenix.co.kr

Digital Recorder

CENÍX

LP VOS REC

24
10024'.5"

REC/STOP

PLAY/STOP

FUNC/DISP

PCM

Digital
RECORDER

CE   USB   UNIVERSAL SERIAL BUS   IC

Made in Korea

Cautions

▶ Cautions in Operating ◀

⊙ Do not drop the product and give it a shock. It could cause troubles.
⊙ Do not place the product at the following condition and/or places :
  − Where it is full of high temperature above 60 degrees.
  − At a dusty place.
  − Near the heaters or from any type of heat sources.
  − In a car with windows closed,especially in summer.
  − At a heavy damp place like a bathroom
⊙ Any excessive force on the LCD display could cause damages to it and to overall
  LCD functions.
⊙ A magnetic card such as a credit card or a subway commutation ticket may not
  be working any longer once it is placed on or close to the speaker.
⊙ The seller holds no liability for any damages caused by misuse of the product and
  any claims from the third party.
⊙ The seller holds no liability for any lost messages which are caused by repair or
  any other troubles.

▶ Cautions in Using Battery ◀

⊙ Do not have a short circuit, disassemble, heat or put battery in the fire. And do
  harm to your eyes, also could cause fever and the rupture of a doctor.
⊙ Do not use different kind of battery.
⊙ Take the battery off when you don't use for a long time.

▶ Cautions for Safety ◀

⊙ Take battery off when there are malfunction caused by smoke and heat.
⊙ Do not use in the place where electronic product's operation is prohibited like
  inside of airplane.
⊙ Do not use in driving and walking, since any accident could be happened.
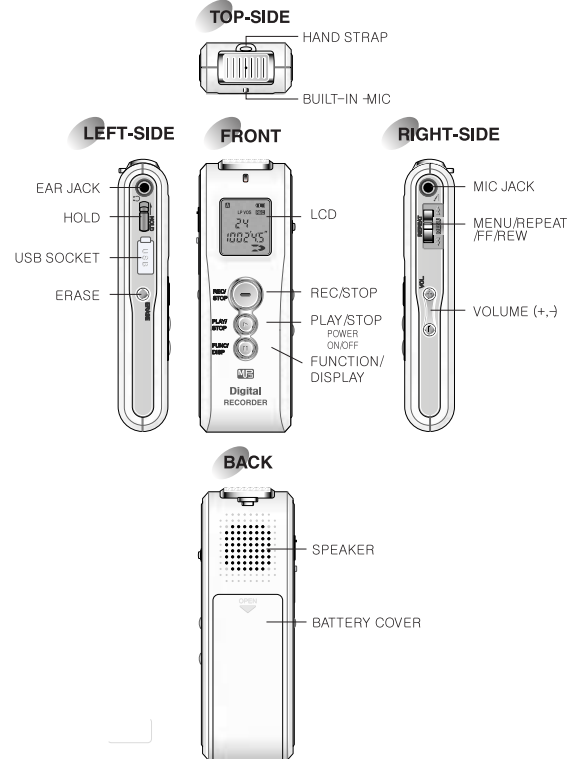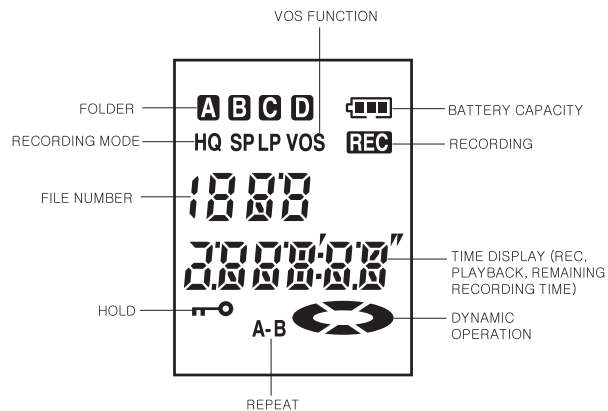
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VOICE RECORDER

Feature

■ COMPACT SIZE
  lets you easily carry with its slim and portable size.
■ FLASH MEMORY
  retains all data even without power.
■ AUTOMATIC POWER OFF
  automatically turns off the power if you do not press any button.
■ REMAINING RECORDING TIME DISPLAY
  displays Recording time & Remaining time.
■ RECORDING MODE
  lets you record with selected recording mode among   PCM, HQ ,SP and LP.
■ LONG TIME RECORDING
  records long time message on SP or LP mode.
■ VOS(Voice Operated recording System)
  records a message only with voice and other actual sound.
■ REPEAT PLAY
  plays a part of each message successively.
■ SCAN PLAY
  plays only fore 5 seconds of each message successively.
■ EXTERNAL In/Out CONNECTION
  lets you record with another appliances mutually.
■ HEARING AID FUNCTION
  lets you hear amplified voice on the Hearing Aid Mode.
■ Managing Folder and File
  Max. 100 messages can be contained in each divided A, B, C, and D folder.
  Totally Max. 400 recording files can be contained.

Name of each part

TOP-SIDE

HAND STRAP

BUILT–IN -MIC

LEFT-SIDE   **FRONT**   **RIGHT-SIDE**

EAR JACK

HOLD

USB SOCKET

ERASE

LCD

REC/STOP

PLAY/STOP
POWER
ON/OFF

FUNCTION/
DISPLAY

MIC JACK

MENU/REPEAT
/FF/REW

VOLUME (+,-)

Digital
RECORDER

BACK

SPEAKER

BATTERY COVER

■ LCD PART

VOS FUNCTION

FOLDER

A B C D

BATTERY CAPACITY

RECORDING MODE

HQ SP LP VOS **REC**

RECORDING

FILE NUMBER

1 8 8 8

2 8 8 8 8 8 8

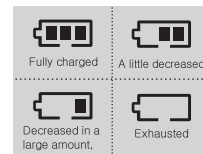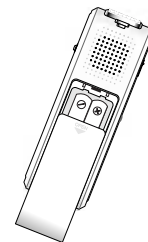TIME DISPLAY (REC, PLAYBACK, REMAINING RECORDING TIME)

HOLD

A-B

DYNAMIC OPERATION

REPEAT

■ INSTALLING BATTERIES

Installing and replacing batteries should be done at stop position.
1. Open the battery cover and place 2 AAA typed alkaline batteries in the compartment and then replace the cover.

Fully charged   A little decreased

Decreased in a large amount,   Exhausted

(Battery Type : AAA or LR03 or UM-4 or equivalent)

■ Battery life time ("AAA" ALKALINE)

Battery	At recording mode	At speaker playback (VOL.10)	At earphone playback (VOL.10)
"AAA" Alkaline	SP,LP: 15 hours 30min HQ: 15 hours	SP,LP: 9 hours HQ: 9 hours	SP,LP: 20 hours HQ: 20 hours

※ Different Battery type and Volume level can cause different Battery Life Time

♣ Using battery
  1. For managing battery lifetime efficiently, the unit will be automatically tuned off if you do not press any button for more than 1 minute.
 2. Please let HOLD switch ON position when you don't use the unit.

■ Power On/Off
  To power on, press the PLAY/STOP(▶), or REC/STOP(⏺) button longer .
  If the unit is not operated longer than 1 minute, it will be automatically turned off. To power off, press the PLAY/STOP(▶) button longer than 2 sec.

Before Using

■ PC CONNECTING

1. Connect the USB cable to the PC. Then, connect the other side of the USB cable to the product.
2. If it works properly, you can find the portable disk created in MY COMPUTER folder.

USB cable socket

USB cable

PC

USB cable socket
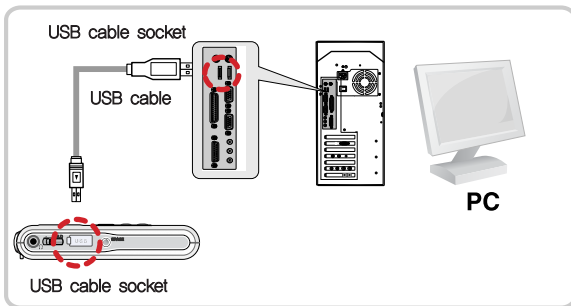
☞ Note ☜

▶ When connecting to the PC with a USB cable, the "PC LINK" message is displayed on the LCD screen.

PC
.LINK

▶ The PC system should meet the following requirement.

– Pentium 200MHz or better   – Windows 2000/ XP or later
– USB port (2.0) support   – DirectX 9.0 or later

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Before Using

⚠ ❶ <Caution>
● When new messages are recorded after deleting the existing files, be careful with the file arrangement, especially the file number.

Ex) Display on the LCD | File name on the PC
01 | 000-Voice.mp3
02 | 001-Voice.mp3 ⌉ In case two files
03 | 002-Voice.mp3 ⌋ are deleted
04 | 003-Voice.mp3
05 | 004-Voice.mp3
06 | 005-Voice.mp3

▶ For example, when a new message is recorded after deleting the existing two files (001-Voice.mp3, 002-Voice.mp3) as you can see above, its file name starts from 006-Voice.mp3

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■ CONNECTING WITH EXTERNAL APPLIANCE

1. Recording with external microphone
   If you connect external microphone into MIC JACK, built-in mic will be
   excluded and you can record with optional external microphone.
   (You can clip external microphone onto your lapel, so that you can take
   free action. Also, you can record with much better sound quality by
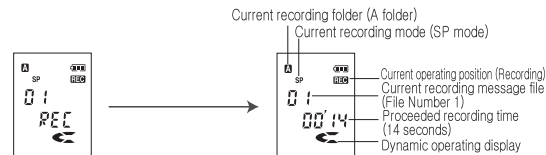   approaching sound source.)

External Microphone

External MIC Jack

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VOICE RECORDER

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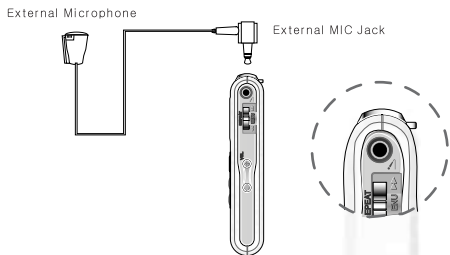
■ Button Functions

⊙ PLAY/STOP(►) : Plays and Stops a message playing back.
⊙ FUNC/DISP(❚❚) : Selects Function and Display condition.
⊙ REC/STOP(−) : Records and Stops a message recording.
⊙ MENU/REPEAT(◼◼◼) :Selects MENU,SEARCH,REPEAT,FF,REW function.
⊙ VOLUME(⊕ ⊖)+,−: Controls a volume.
⊙ ERASE(◯) : Erases recoreded messages.
⊙ HOLD(HOLD): Prevents mis-operation by setting Hold mode.

■ Recording Messages

1. Slide HOLD(HOLD) button to OFF position and press one button among
   PLAY/STOP(►), REC/STOP(−) so that the
   unit gets POWER ON.
   (Press REC(−) button for more than 1 second on the waiting mode, the
   recording will also start.)
2. Let MIC toward sound source and press REC/STOP(−) button.
   Recording File will be added and recording will be continued.

Current recording folder (A folder)
Current recording mode (SP mode)
Current operating position (Recording)
Current recording message file
(File Number 1)
Proceeded recording time
(14 seconds)
Dynamic operating display

3. To stop recording, press REC/STOP(−) button one more time.

♣ Press PLAY/STOP(►) button after recording, the last recording file
  will be played.

♣ Do test recording in advance to prevent from failing recording.

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♣ If MEMORY is exhausted or file number gets more than 100 messages in one folder, "FULL" will be displayed and recording won't be continued.
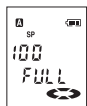
Messages get 100 in one folder.

Memory is exhausted with 2 message files

♣ VOLUME level won't be adjusted during recording.

■ Playing back Messages

1. Let HOLD( ) button OFF position and press one button among PLAY/STOP (▶), REC/STOP(–) so that the unit gets POWER ON.
2. Select FILE number with ▲/▼ jog key.
   (Press PLAY/STOP(▶) button for more than 1 second on the waiting mode, the playing back will also start.)
3. Press PLAY/STOP(▶) button for playback until to the last recording file.
4. Adjust VOLUME level with VOLUME(⊕ ⊖) button.
5. To stop playing back, press PLAY/STOP(▶) button one more time.

♣ During playing back messages, MENU won't be operated.

■ Erasing Messages

<Erasing a single message>
Select a file with ▲/▼ jog button. Pres the ERASE ( ) button longer than 3 seconds. When the "ERASE" sign is blinking on the LCD, press the ERASE ( ) button shortly once again. Then the file will be deleted and the following File No. will be changed as a current File No.

※ When the "ERASE" sign is blinking, the fore part of the file will be played for 10 seconds to be sure.

<Erasing all messages in a FOLDER>

1. Select a folder to erase with MENU ( )and ▲/▼ jog key.
2. With the ERASE( ) button pressed in the stop mode, press the REC/STOP (–) button longer than 2 seconds. When "ALL ERASE" is blinking on the LCD, press only the ERASE ( )button shortly once again so that all messages in the selected folder will be deleted.

<FORMAT>

1. With the ERASE ( ) button pressed in the stop mode, press the REC/STOP (–) button longer than 5 seconds. When "ALL ERASE" sign changes to the blinking "ALL CLEAR" sign, press only the ERASE ( ) button shortly once again so that all data files in the A, B, C, and D folder will be deleted.

⚠ Warning An erased message can't be restored.
At FORMAT mode, all data even including locked file will be erased.

VOICE RECORDER

Operating Recorder

## ■ Hearing AID Function
1. Changing to Hearing Aid mode
 ⦿ Press FUNC/DISPLAY(   ) button shortly at stop position so that the unit
   will be changed to the Hearing Aid Mode.
 ⦿ EARPHONE will be used as a Hearing Aid by inserting earphone into EAR
   terminal of the unit.
2. Canceling Hearing Aid Mode.
 ⦿ To cancel the Hearing Aid Mode, press FUNC/DISP (   ) button shortly
   once.
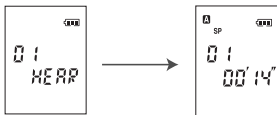
3. Recording is not available on the Hearing AID Mode.

■ Setting the Menu
1. Slide HOLD(   ) button to OFF position and press PLAY/STOP(   ), REC/
   STOP(   ) button longer. The unit will be powered on.
2. Press MENU (   ) button shortly, MEMU will be displayed FOLDER->RECORD
   MODE->VOS->MIC->LED.Each MENU(   ) button
   pressing converts the mode and you can select any mode with ▲/▼ jog key.

⦿ Select Folder
Max. 100 files can be contained in each divided A, B, C,
and D folder. Press MENU (   ) button shortly once to
convert into the FOLDER MODE and select any of them
with ▲/▼ jog key.

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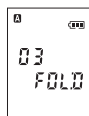
Operating Recorder

⦿ Select Recording Mode
In the stop mode, press MENU (   )button shortly twice
on the FOLDER MODE to convert into Recording Mode
and select PCM,HQ, SP, LP with ▲/▼ jog key.

 PCM mode : Original Sound recording mode
 HQ mode : High quality recording mode
 SP mode : Normal quality recording mode
 LP mode : Long time recording mode
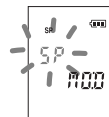
⦿ Select VOS(Voice Operated Recording System)
Recording will be proceeded only with voice and other
actual sound. Press MENU (   )button shortly three
times in the stop mode to convert into VOS MODE and
select ON, OFF with ▲/▼ jog key.

⦿ Select of MIC sensityvity
1. Press MENU button   (   )times at STOP status.
2. Select "HI"or"LO" at MIC SENS mode with   ▲/▼ jog key.
3. Press Menu button to confirm.
   MIC LOW : a noisy place
   MIC HI :silent place

⦿ Select LED On/Off
1. Press MENU button   (   )times at STOP status.
2. Select "ON"or"OFF" at LED mode with   ▲/▼ jog key.
3. Press Menu button to confirm.
   LED ON : Turn ON the Record LED
   LED OFF : Turn OFF the Record LED

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■ Convenient Recording Function

<PAUSE>
Press FUNC/DISP( ) button during recording, recording will be paused.
Press FUNC/DISP( ) button once again or REC/STOP( ) button,
PAUSE will be released.

<DISPLAY FUNCTION>
Press FUNC/DISP ( ) button longer than 2 seconds, and then REMAIN
TIME will be displayed.

<REC MONITOR>
During recording,you can monitor recording message by inserting earphone
into earphone jack.

<INDEX ADDITION>
Slide up ▲ jog key during mode, FILE number will be added and recording
will be continued.

<VOS>
Recording will be proceeded only with voice and other actual sound.

■ CONVENIENT PLAYBACK FUNCTION

< Volume Adjustment>
Controls volume level from 0 to 30 with VOLUME (⊕　⊖) button on playing
back mode.

<PAUSE>
Press FUNC/DISP( ) button during PLAYBACK, PLAYBACK will be paused.
Press FUNC/DISP( ) or PLAY/STOP(▶) button PAUSE will be released.

<DISPLAY FUNCTION>
Press FUNC/DISP ( ) button for more than 1 second during PLAYBACK,
REMAIN TIME will be displayed.

Operating Recorder

<SCAN PLAY>
Press FUNC/DISP ( ) button for more than 1 second on stop mode, the fore part of each file in current folder will be played for 5 seconds in order.

A SP		A
01		01
00'05"		SCAN

<A-B SECTION REPEAT>
Press MENU ( ) button one time shortly druing PLAYBACK mode, Point A will be selected. And please press MENU button one more time. Point B will be selected. And then A-B section will be played repeatedly.

A SP		A SP
01		01
00'05"		00'09"
A▶		A▶B

<NOISE FILTERING>
Press REC button( ) shortly druing PLAY BACK, noise filting mode.

A HQ	A HQ	A HQ
01	01	01
LCF	VOICE	NOR

1) LCF :	2) VOICE :	3) NOR :
Get rid of noise	Make sounds louder	Original sound

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Operating Recorder

<PLAYBACK SPEED CONTROL>
Can adjust the playback speed during playing.
1. long press MENU BUTTON ( )
2. FF/REW BUTTON (▲/▼ jog) changes speed(70% ~120%)

A HQ		A HQ
100		70
00'09"		00'09"

■ Telephone Recording

JACK on the wall

Telephone unit

LINE IN

Telephone Line Adapter

TEL   MIC jack

※**Option**

OUTPUT

Audio Cable
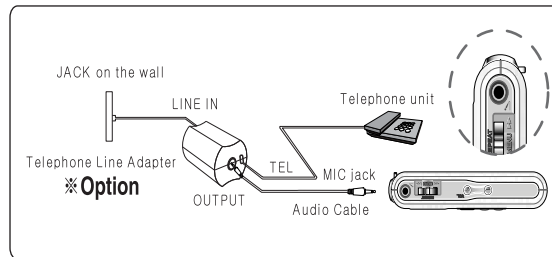
⚠ Warning **Not available for Digital Telephone and the telephone with different MODULAR JACK.**

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Operating Recorder

2. In case of recording from external appliance into VR unit(audio cable1)
   Connect optional audio cable into both EARPHONE of external appliance
   and MIC of unit and press REC button. (Recording will be proceeded with
   L-ch mono and you can check recording condition with earphone.)

3. In case of recording from VR unit into external appliance(audio cable 2)
   Connect optional audio cable into both EAR of VR unit and MIC or
   external INPUT of external appliance and press both PLAY/STOP(▶)
   button of VR unit and press REC button of external appliance.
   (Do test-recording in advance and you can't adjust volume level
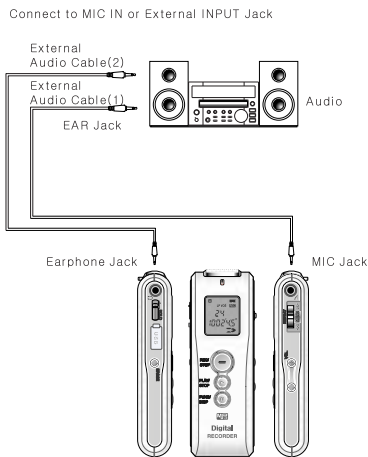   with VOLUME button of the voice recorder unit.)

Connect to MIC IN or External INPUT Jack

External
Audio Cable(2)

External
Audio Cable(1)

Audio

EAR Jack

Earphone Jack   MIC Jack

Cautions

Check following articles first if you find any malfunctional matter.

In case of no LCD display
Check1 Did you check the battery capacity ➡ Replace batteries.
Check2 Are both polarities of the battery loading in right Way?
➡ Load batteries in each
   right +/- position.

In case of no recording
Check1 Isn't it at Hold position?   ➡   Set Hold switch off.
Check2 Isn't the message number or file FULL? ➡   Erase unnecessary
                                                     message.
Check3 Did you check the battery capacity?   ➡   Replace batteries.

In case of no Playback
Check1 Isn't it at Hold position?   ➡   Set Hold switch off.
Check2 Isn't there any recorded message? ➡   Check the recording
                                              message.
Check3 Did you check the battery capacity ➡   Replace batteries.

In case of no sound from speaker
Check1 Isn't your VOLUME at 0 (Zero) position? ➡   Adjust the
                                                   VOLUME button.
Check2 Isn't your Earphone inserted in?   ➡   Take the Earphone
                                                   Jack OFF.

In case of no sound from Earphone
Check1 Isn't your VOLUME at 0 (Zero) position? ➡ Adjust the VOLUME

Check2 Is your Earphone properly inserted in? ➡ Insert the Earphone
                                               Jack completely.

Specification

⊙ For improvement of product, specifications & design can be
   changed without previous notice

ITEM	SPECIFICATION
Model Number	VR-880/N980/A-7-/S-70(4GB)
Recording Time (PCM)Mode	24H
Recording Time (HQ)Mode	131H
Recording Time (SP)Mode	527H
Recording Time (LP)Mode	1055H
Voice(A,B,C,D)	4 Folders x100 Files
Output Power Speaker	150mW
Ext Mic./Line In	Built in MIC & 3.5∅ Mono Jack
Output Power Earphone	Built in Speaker & 3.5∅Mono Jack
Speaker	Dynamic 20mm, 8 Ohm
Dimension	31(W)X90(H)X16(D)mm
Weight	34g Without Battery
Storage Media	Built in Flash Memory
Power Source	DC 3V,"AAA" Akaline x 2pcs
Battery life time	Over than 24 hours
Operating Temperature	O℃~40℃