

# User's Manual

**Model: PCM-008**

For the quality improvement of product, design and accessory can be changed without notice.



MSIP-REM-ESO-PCM-008

Made in Korea

Thank you for purchasing this product.

- \* Please read this manual and understand all the functions before use.
- \* Please write purchasing date, purchasing place, etc. in the warranty card.
- \* Free after-sale service will be not possible without the warranty card.

## Caution and warning on this product

### Warning

- \* We are not responsible for the loss of recordings due to the usage, after-sale service, others, etc.
- \* We are not responsible for the damage by using this product or claim by the third party.
- \* Please save important recordings into PC immediately.
- \* Please do not decompose and adapt this product. That can be the cause of fire and failure.
- \* If you listen to the contents of this product loudly and long time, hearing ability can be damaged. Please adjust the volume moderately.
- \* Please do not use at low and high temperature. That can be the cause of fire or failure by a leak by condensation phenomenon.
- \* Please do not leave this product alone in humid place or in place exposed to oil. That can be the cause of fire and failure.

### Caution

- \* To shock or drop the product can be the cause of failure.
- \* Please do not use alcohol, benzene or thinner to clean the surface of the product.

Dealer :  
Address :  
Telephone :

## Warranty Card

Product	Digital Voice Recorder
Model	PCM-008
Purchasing date	
Purchasing place	
Tel.	
Others	
Period	1 year
Customer	Name
	Address
	Tel.

### Charged Service

- Malfunction caused by careless handling when using.
- Malfunction caused by user's modification of the product.
- Malfunction caused by act of such as fire, salt, flood, earthquake and etc.
- In case that the warranty period has been expired.

### FCC Note

Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

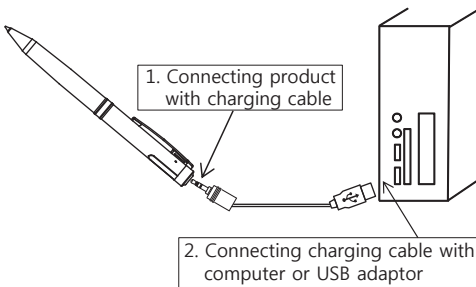
### FCC Caution

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 harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged 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 receiver.
- 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.

## Preparation before use(Charging)

- \*This product has built-in rechargeable battery. Please use this product after charging.
- \*Please connect charging cable into the charging jack of this product and the USB port of PC or AC adaptor(option) and then charging starts.
- \*It takes about 2hours 30minutes to be fully charged. (Charging time could be different according to the environment.)
- (Caution)** Please be sure to use AC adaptor which has acquired the local safety certification. The defective product by wrong AC adaptor shall be charged for after-sale service.



- \*Screen in connecting into computer..... PC CONNECTED
- \*Screen in connecting into USB adaptor..... CHARGING....

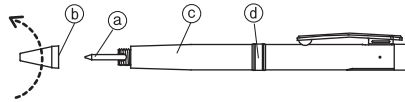
## Remaining battery check

Charging status can be checked by remaining battery indication on OLED display.



## Using as a ball pen

- \* When you hold the middle part(ⓐ) and spin the rotating part(ⓑ) right and left, ball pen refill comes out or go in.
- \* For the change of ball pen refill, please hold rotating part(ⓒ) and continue to turn the part of pen refill(ⓓ) to the left and when it is separated, pull ball pen refill out and insert new one into hole carefully.
- \* Ball pen refill standard :5799-236-510(51mm)



## Specification

Item	Specification
Recording time (battery standard)	PCM: about 7 hours, XHQ: about 10 hours, HQ: about 12.5 hours, LP: about 13 hours
Playback time	about 8 hours (battery standard)
Charging time	about 2 hours 30 minutes
Earphone	10mW / 32 ohm
Dimension	Φ11.4 * 142.5
Weight	21.8g
Temperature	0°C~40°C

## Recording time per recording mode and memory capacity

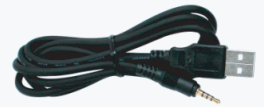
Recording mode / Memory	1GByte	2GByte
PCM	about 3hours	about 6hours
XHQ	about 16hours	about 32hours
HQ	about 65hours	about 130hours
LP	about 130hours	about 260hours

## Product composition

- ① Main Body(recorder)
- ② USB cable
- ③ Remote controller
- ④ Stereo earphone
- ⑤ User's manual

- ① Main Body(recorder)

- ② USB cable  
2167-MQ7-001



- ③ Remote controller  
6412-RC3-001

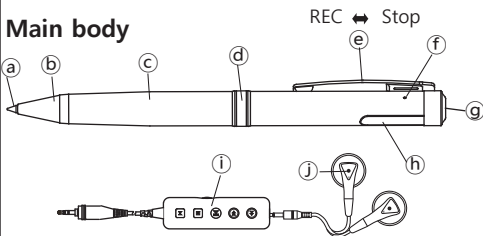


- ④ Stereo earphone  
6411-MO9-001

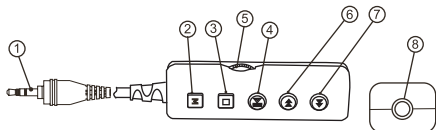


## Naming of each part

### Main body



- Ⓐ Ball pen refill
- Ⓑ Refill part
- Ⓒ Rotation part
- Ⓓ Middle part
- Ⓔ Recording switch
- Ⓘ Microphone
- Ⓢ Jack(Remote controller/Charging)
- Ⓣ OLED Display
- Ⓚ Remote controller body
- Ⓛ Stereo earphone



- ① Plug
- ② Mode/File time check button
- ③ Stop(Power off)button
- ④ Play/Pause/Power button
- ⑤ Volume controller
- ⑥ Previous/Rewind button
- ⑦ Next/Fast forward button
- ⑧ Earphone jack

### OLED display explanation

**(Standby screen)**

Recording file name: A-R00001 | Recording folder: NA | Remaining battery: HQ

**(Screen in recording)**

Recording indication: [RECORDING...] | Recording time: 00:00:00 | VOS indication: NA | Recording mode: HQ

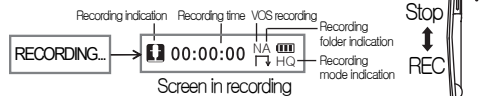
**(Screen in playback)**

Playback indication: [PLAYBACK...] | Playbacktime: 00:00:01 | NA | HQ

\*VOS indication: N [OFF], V [ON]   \*Recording folder: A, B, C, D  
 \*Recording mode: LP, HQ, XHQ, PCM  
 \*Repeat: [OFF], [1], A [ALL], F [FOLDER]

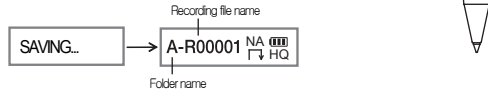
## Recording

When you drop down recording switch(Ⓔ), OLED screen is changed as below and recording starts.



You can check recording process through OLED screen during recording.  
 \*When there is no remote controller and screen display time is OFF, it records without turning on OLED display.

When you raise up recording switch(Ⓔ), recording is saved.  
 (Only recording file of more than 3 seconds is saved.)



\*When you stop recording without remote controller, OLED display is turned off regardless of screen display time.

File name is given in recording order.  
 (Folder name-R00001, folder name-R00002, ..... and so on)

\*When folder is full of 999 files, it is moved and saved into next folder.  
 ex.)next file from A-R00999 is saved as B-R00001.

\*When recording capacity is full, [DISK FULL] is shown.

\*This recorder does not show saving date in recording file.

### Product power reset

When power is not turned on or there is no response in operation, please try connecting it into PC USB port.

In connecting into PC, product is reset automatically and is restarted.  
 (\*Files that are stored are not deleted.)

## Menu explanation

**ERASE:** it deletes selected file.

Before entering into menu, the file being shown in screen is deleted.  
 (It is impossible to restore deleted file.)

**REP:** it selects repeat mode.

- \*OFF: it plays back all files in current folder once and stops.
- \*1: it repeats one file being shown in screen.
- \*ALL: it repeats all files in the folders of A,B,C,D.
- \*FOLDER: it repeats all files in selected folder.

**MODE:** it selects recording sound quality.

- \*PCM: it records with best sound quality like original voice(WAV)
- \*XHQ: it records with high sound quality(MP3)
- \*HQ: it records with standard sound quality(MP3)
- \*LP: it records with low sound quality for a long time(MP3)

Recording mode	PCM	XHQ	HQ	LP
Recording quality	705 kbps	128 kbps	32 kbps	16 kbps

**LCD:** it selects screen display time.

- \*60SEC: screen is turned off after 60 seconds.
- \*30SEC: screen is turned off after 30 seconds.
- \*10SEC: screen is turned off after 10 seconds.
- \*3SEC: screen is turned off after 3 seconds.
- \*ON: screen is turned on all the time.

\*OFF: screen is not turned on in recording in case of no use of remote controller. (In case of using remote controller, screen is turned on during 10 seconds)

**VOS:** it turns on or off voice operated recording.

- \*OFF: it turns off voice operated recording. (continuous recording)
- \*ON: it turns on voice operated recording. (When sound is not detected in recording, recording is paused temporarily and when sound is detected, recording is restarted automatically which enables you to use memory efficiently.)

**FOLDER**(folder selection for recording)

it selects folder to save recording file.  
 There are 4 folders of A,B,C,D and changed folder is applied from next recording.

**FORMAT:** it initializes product.

All files in memory are deleted and optional value of menu is initialized.

**EXIT:** it exits out of menu(returned to standby screen)

## Using remote controller

### Turning on power

Connect remote controller into product.  
 OLED screen is on and power is turned on.  
 (\*When power is off in state of the connection of remote controller, press playback button shortly and power is turned on.)

### Turning off power

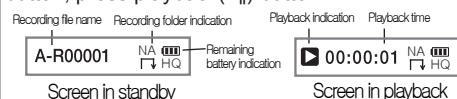
Press the stop (■) button of remote controller long (more than 3 seconds). [Bye Bye] is shown and disappeared on OLED screen and power is turned off.  
 When it is not used for 1 minute in state of power-on, power is turned off automatically.

Caution) When remote controller is connected in state of power-off, battery is discharged little by little. When you keep product, keep it after separating remote controller

Caution) You can not turn off power with remote controller during recording.  
 Turn off power after stopping recording.

### Listening to recording(playback)

After connecting remote controller into recorder and selecting file with previous(◀) or next(▶) button, press playback(▶||) button.



When you press previous(◀) or next(▶) button shortly during playback, it can move to previous or next file.

When you press previous(◀) or next(▶) button long during playback, it can do rewind or fast forward within the file in playback.

To pause playback, press playback/pause(▶||) button shortly and to stop playback, press stop(■) button shortly.

### Changing folder(folder to be played back)

Press playback(▶||) button long during standby screen or playback. When [A Folder] which is folder change screen is shown, move to wanted folder with previous(◀) or next(▶) button and press playback(▶||) button shortly and folder change is completed.

(\*If there is no file in the folder, [NO FILE] is shown.)

### Checking the time of recording file

When you press M button shortly, the time of recording file is shown by the units of hour, minute, second. ex.) in case of recording file of 1 minute 10 seconds [00 : 01 : 10]

### Setting menu

**Entering menu setting:** when you press M button long(more than 3 seconds) in standby screen, [ERASE NO] screen is shown.

**Selecting menu:** whenever you press M button shortly in [ERASE NO] screen, menu is selected in order of following picture.

Menu type and shifting order	Menu Item	Description
1	ERASE # NO	File deleting
2	REP # OFF	Repeat setting
3	MODE # HQ	Recording mode setting
4	LCD # ON	OLED on, off time setting
5	VOS # OFF	Voice operated recording setting
6	FOLDER # A	Recording folder setting
7	FORMAT # NO	Formatting
8	EXIT	Menu exiting

**Changing menu setting:** when you press previous(◀) or next(▶) shortly in selected menu, setting is changed. When you press M button shortly again after changing the setting, it moves to next menu.

**Completing menu setting:** when you press M button long(more than 3 seconds), setting is completed and it returns to standby screen.

### Erasing file and formatting

When you select ERASE or FORMAT in menu selection and set "YES" with previous(◀) or next(▶) button and press playback(▶||) button shortly, ERASE or FORMAT is performed.

When you do not press playback(▶||) button and move to other menu, ERASE is canceled. (To prevent erasing file unintentionally, we have added one step of confirmation.)

## Basic way to use for recording and playback

### Recording / Stop recording

Drop down recording switch(clip) ↑ Recording stop  
 Recording start ↓ Raise up recording switch(clip)

### Playback / Stop playback

\* Check points

- \*Maximize volume
- \*Check if recording switch is in state of stop.
- \*Check if earphone jack is inserted surely.

▶ Playback button

\*When you press playback button in state of standby, recording file in screen is played back. \*When you press it again, it pauses.

■ Stop button

\*When you press stop button during playback, it stops.