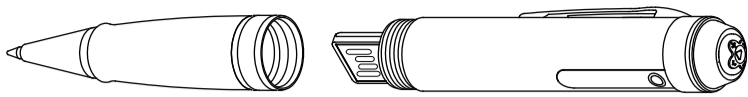


User's Manual

Model No : PCM-009



Before use, please read user's manual and use product safely and properly.
For the quality improvement of product, design and accessory can be changed without notice.

ESONIC Co. Ltd.
Made in Korea



Certification No. : R-REM-ESO-PCM-009

WARRANTY CARD

Product name	Pen Voice Recorder
Model no.	PCM-009
Purchasing date	
Purchasing place	
Tel.	
Etc.	
Warranty Period	One year from purchasing date
Customer Name	
Address	
Tel.	

MEMOQ
Made in Korea

- Paid service
- Defect caused by careless use.
 - Defect caused by user's internal modification.
 - Defect caused by natural disasters like fire, salt damage, flood, earthquake, etc.
 - Defect out of warranty period.

SPECIFICATION

Memory capacity	4GB	8GB	16GB
Recording time	PCM about 12hrs XHQ about 72hrs HQ about 144hrs SP about 288hrs LP about 576hrs	about 24hrs about 144hrs about 288hrs about 576hrs about 1152hrs	about 48hrs about 288hrs about 576hrs about 1152hrs about 2304hrs
Hours of battery use	Recording PCM, XHQ about 12hrs, HQ, SP, LP about 16hrs	Play about 10hrs(autoplay by earphone)	
Hours of battery charging	about 2hrs		
Max number of file	9,999 files		
Max practical output	Earphone 3.5mW + 3.5mW / 32Ω Speaker 500mW / 8Ω		
Size, Weight	14.3mm(Φ) x 136.5mm(L) 27g		
Using environment	Temperature 0~40°C, Humidity 20~90%		
Accessory	Gender, Earphone, Ballpen refill, Manual		

* Hours of battery use is the standard to set screen off after 60 seconds.

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.

1. Cautions for safety

- * This manual is the contents for user's safety and the prevention of property loss. Please be sure to read it before use and to fulfill it for safety.
- * If you listen to the contents by using earphone loudly and long time, hearing ability can be damaged.
- * We are not responsible for the loss of recordings caused by breakdown, repair, other reasons.
- * Please save the important recordings into PC frequently.
- * Please do not use it illegally.

Caution and warning on this product

Warning

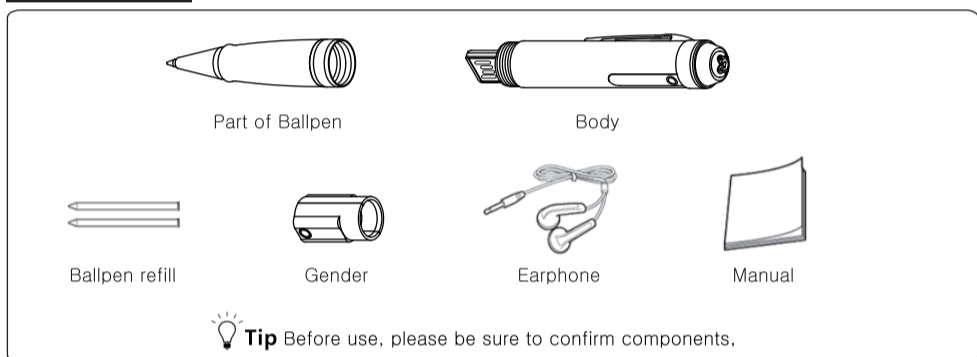
- * Please do not decompose and remodel this product. That can be the cause of fire and failure.
- * If you listen to the contents by using earphone loudly and long time, hearing ability can be damaged.
- * Please do not use at low and high temperature. That can be the cause of fire or failure by short circuit 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.
- * Please avoid listening with earphone or operating product during driving or walking. That can be the risk of traffic accident.

2. Product Composition

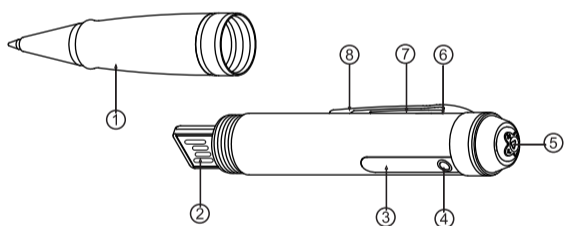
Basic composition



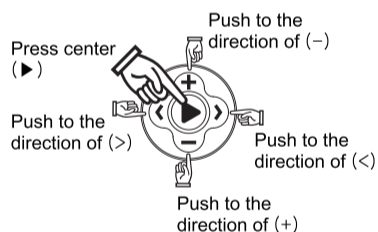
Tip Before use, please be sure to confirm components.

3. Name of each part

- ① Part of ballpen
- ② USB terminal
- ③ LCD
- ④ Recording button
- ⑤ Jog button
- ⑥ Built-in microphone
- ⑦ Built-in speaker
- ⑧ Clip



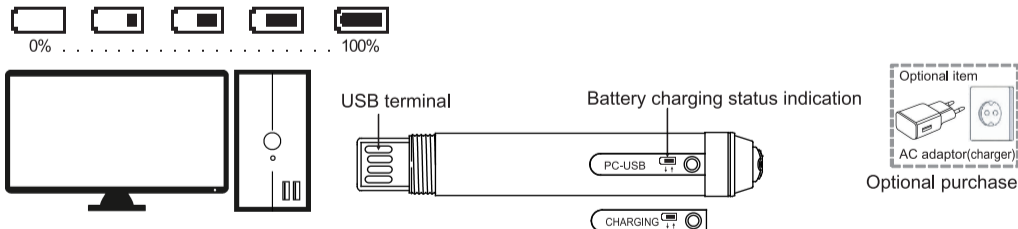
⑤ [Jog button]



Tip For the way to operate each button, there are two ways, pressing button briefly or pressing and holding button. Jog button is used by pressing center and by pushing to the direction of up down left right.

4. Preparing before use (Charging)

- * This product has built-in rechargeable battery.
- * Separate the part of ballpen and connect USB terminal to the USB port of PC or USB adaptor(optional item).
- * You can check the charging status by battery icon displayed on LCD.



Tip It takes about two hours until battery is charged completely.

- Caution - Connect after checking direction so that USB terminal is not connected reversely.
- Caution - In using USB adaptor(option), check whether rated voltage is 5V.

5. Power on / off

Turning on power

- * Press play button(▶) more than 3 seconds, and "MemoQ" appears and disappears on LCD and moves to the mode used previously.



Turning off power

- * Press and hold play button(▶) during operation, and "① ② ③" is turned on in order and then "POWER OFF" is displayed on LCD and power is turned off.

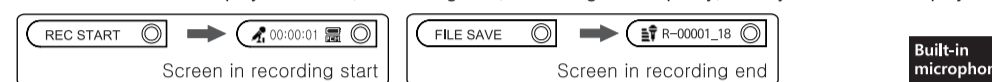


Tip In case of turning off power during recording : Press and hold play button(▶) until "① ② ③" appears on LCD, and recording in progress is saved and power is turned off.



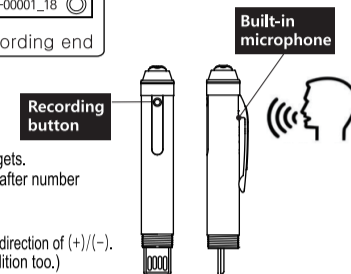
6. Recording

- * Press recording button(⊙) more than 3 seconds in state of power off, and power is turned on and recording starts right away.
- * Press recording button(⊙) briefly in state of power on, and recording starts.



- * To stop recording, press recording button(⊙) briefly again. After "FILE SAVE" is displayed, "file name" is displayed.
- * You can play back the file you just recorded by pressing play button(▶)

- Tip** The more built-in microphone faces the sound source to be recorded, the better recording quality gets.
- Tip** Recorded files are created in order from R-00001 and "year/month/date/hour/minute" is displayed after number (ex : R-00001_1801012400.WAV)
- Tip** Long-time recording is split by the unit of 5 hours and saved.
- Tip** You can change microphone sensitivity setting during recording by pushing and holding jog button to the direction of (+)/(-). (You can change microphone sensitivity with "normal" → "high" at the setting of product using condition too.)
- Tip** You can set recording sound quality at the setting of product using condition before recording.
- Tip** When screen is off due to screen timer function during recording, you can turn on screen by pressing any button.



7. Playing

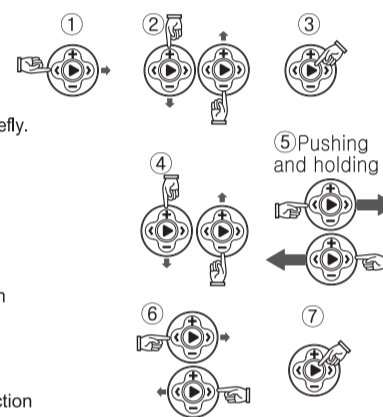
- ① Push jog button to the direction of next(>) briefly at the mode of VOICE or MUSIC.



- ② Search the file you want to play by pushing jog button to the direction of (+)/(-) briefly.
- ③ Press play button(▶) briefly, and the selected file on screen is played back.



- ④ You can adjust volume by pushing jog button to the direction of (+)/(-) briefly during playback. (volume level : 0-31)
- ⑤ You can rewind or fast forward by pushing and holding jog button to the direction of previous(<) / next(>) during playback.
- ⑥ You can move to previous file / next file by pushing jog button briefly to the direction of previous(<) / next(>) during playback.
- ⑦ To stop playback, press play button(▶) briefly again.



Tip You can adjust play speed by pushing and holding jog button to the direction of (+)/(-) during playback. (-20%, -10%, NORMAL PLAY, +10%, +20%)

8. Deleting file

- ① Push jog button to the direction of next(>) briefly at the mode of VOICE or MUSIC.



- ② Search the file you want to delete by pushing jog button to the direction of (+)/(-) briefly.
- ③ Push and hold jog button to the direction of next(>).



- ④ Press play button (▶) briefly.
- ⑤ Push jog button to the direction of (+)/(-) briefly, and "DEL YES" appears.



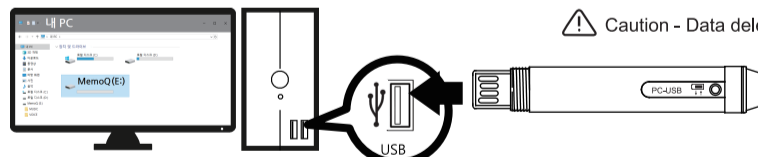
- ⑥ Press play button(▶) briefly again.



Caution - Data deleted once can not be restored.

9. Connecting to PC

- * You can save, copy, delete, etc. file and folder by using PC.
- * Separate the part of ballpen and connect USB terminal of body to the USB port of PC.
- * You can check connection status by "removable disc(MemoQ)" at the window of PC.
- * You can check recording files at the folder of VOICE and save musics at the folder of MUSIC and listen to musics at the product.



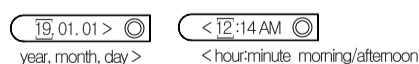
Caution - Data deleted once can not be restored.

Tip For recording and playback by using external power(PC, AC adaptor)

- When you connect product to PC or AC adaptor, all operations being proceeded stop and "PC-USB" or "CHARGING" is displayed.
- At this time, when you press and hold recording button(⊙) more than two seconds, the recording starts, and when you press and hold play button(▶) more than two seconds, it moves to the mode used finally.
- After that, you can use in the same way as the usage of body.

10. Setting date and time

- * When battery is discharged completely and is recharged, the setting screen of date and time appears.



- You can move among year ↔ month ↔ day ↔ hour ↔ minute ↔ morning/afternoon by pushing jog button to the direction of (<), (>) briefly.

- You can increase number among year, month, day, hour, minute, morning/afternoon by pushing jog button to the direction of (+), (-) briefly.
- You can complete setting by pressing play button (▶) briefly.




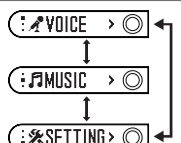
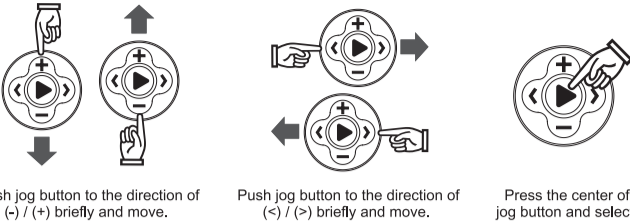
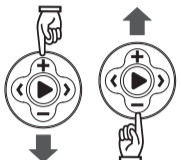
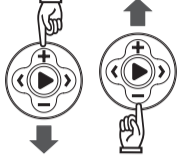


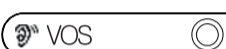


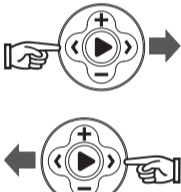








Tip You can record right after pressing and holding recording button(⊙) without setting date and time.
Tip You can change the setting of date and time anytime at the date setting in the setting of product using condition.

11. Setting

*How to move to device setting (You can move after stopping recording and play)

*Simple operation method

*How to use jog button

Classification	Setting mode	How to move to setting mode by (<) and to setting item by (>)	Setting item [] item : basic setting	How to select setting item	Explanation on setting
	<p>1 </p> <p>2 </p> <p>3 </p> <p>Push jog button to the direction of Previous(<) briefly several times until device SETTING appears.</p> <p>Push jog button to the direction of (>) briefly and move to setting mode.</p>		 <p>At the screen of music file / recording file / device setting, push jog button to the direction of (+) / (-) briefly and move to the screen of device setting.</p>	 <p>Push jog button to the direction of (-) / (+) briefly and move.</p> <p>Push jog button to the direction of (<) / (>) briefly and move.</p> <p>Press the center of jog button and select.</p>	
	<p>Move between setting modes by pushing jog button to the direction of (-)/(+) briefly.</p> 		<p>Move between setting modes by pushing jog button to the direction of (-)/(+) briefly.</p> 		
Setting language (Language/言語/언어)			한국어 [English] 日本語		You can set the using language of product.
Setting recording sound quality (REC QUALITY)			[PCM] XHQ HQ SP LP		You can set sound quality in recording. LINEAR PCM is the highest sound quality and LP is to use memory long time.
Setting voice activated recording (VOS)			[OFF] ON		You can turn on or off the function of sound detection recording. In setting VOS ON, it pauses recording at low sound.
Setting voice activation level (VOS LEVEL)			SENSE +2 SENSE +1 [DEFAULT] SENSE -1 SENSE -2		You can set sensitivity in sound detection recording. When it is set to +, it responds to even low sound, when it is set to -, it responds to loud sound.
Setting microphone sensitivity (MIC SENSE)		<p>Push jog button to the direction of (<) / (>) briefly and move.</p> 	[NORMAL] HIGH	<p>You can select by pressing the center of jog button briefly.</p> 	You can set microphone sensitivity in recording. It is advantageous to set microphone sensitivity to "HIGH" in recording long distance, low sound.
Setting low frequency noise decrease (LOW CUT)			[ON] OFF		You can turn on or off low frequency noise decrease. It decreases low frequency noise. There is also a risk to decrease voice partially.
Setting equalizer (EQUALIZER)			ROCK ↔ [DEFAULT] ↔ CLASSIC HOUSE R&B DANCE ↔ JAZZ ↔ BALLAD		You can set equalizer in playing music.
Setting repeat (REPEAT)			[OFF] 1 FILE FOLDER		You can set the function of repeat in playing.
Setting screen off (SCREEN OFF)			LCD ON 3 SEC 10 SEC 30 SEC [60 SEC]		You can set the time of screen auto off. Even though screen is off, recording or playback proceeds until it ends. When you press button, screen is turned on.
Setting auto power off (AUTO POWER OFF)			[1MIN] 3MIN 10MIN 30MIN 60MIN		You can set the time of auto off in no operation. Power is not turned off during recording.
Formatting memory (FORMAT MEMORY)			[NO] YES		All saved data are deleted. Setting value is also restored to factory default state.
Setting date (SET DATE TIME)					You can set the date and time of product. Please refer to explanation at the preceding page.

* You can set the using condition of product by using jog button.

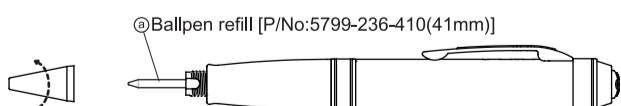
* Use play button(▶) by pressing and use the buttons of (+), (-), (<), (>) by pushing to the indicating direction.

Tip Setting value indicated in brackets [] is basic value and it is set to basic value in formatting memory. Even though language, date, time are formatted, last setting values are not changed.

Tip Value indicated in LCD is saved as setting value by pressing start button(▶) finally.

12. Changing ballpen refill

* After separating the front part of ballpen counterclockwise, pull and remove ballpen refill and change it with a new ballpen refill.



13. Resetting

* When product operation stops or functional error like USB recognition, etc. occurs, perform reset.

* When you press play button(▶) and recording button(⊙) at the same time, product is reset and product power is terminated forcibly and starts again.



Caution - use it only when product is in trouble.
Caution - In case of resetting during recording, recording being proceeded is not saved and lost. Be careful.
Caution - In spite of reset, existing recording files and data are not deleted.

14. Using gender

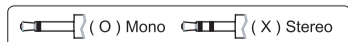
* After connecting gender to the USB terminal of product, you can record by connecting external device or listen to recording file and music through earphone.

Recording by connecting gender

* You can record by connecting audio cable, microphone, ear microphone which are optional items to gender. (Refer to "Recording")

* When you connect external device during recording, recording being proceeded is terminated and recording is restarted automatically.

* For ear microphone and external microphone, only mono product can be used.



Listening by connecting earphone

* You can listen by connecting earphone to gender. (refer to "Playing")

* Four terminal earphone can not be used.

