Cautions in use
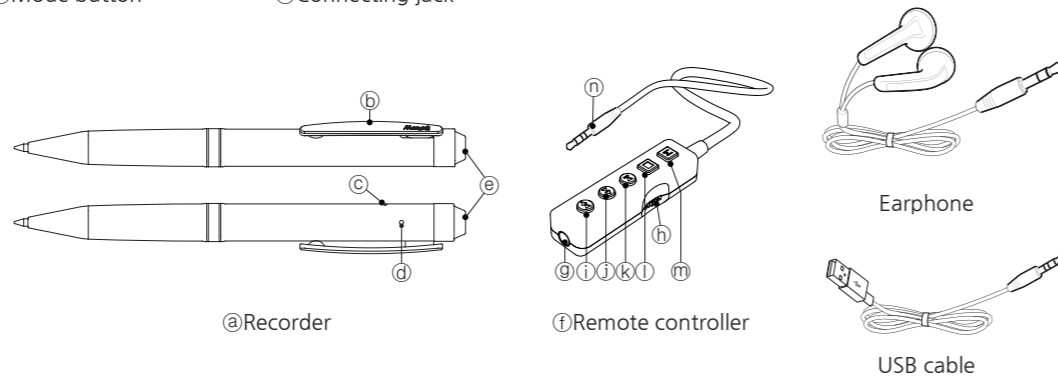
* We are not responsible for the loss of recordings caused by wrong usage, A/S, other reasons.
* We are not responsible for the damage or third party's claims caused by the usage of this product.
* Disassembly, remodeling, impact, the usage in place of low temperature, high temperature, high humidity can be the cause of failure.
* Please save the important recordings into PC frequently.
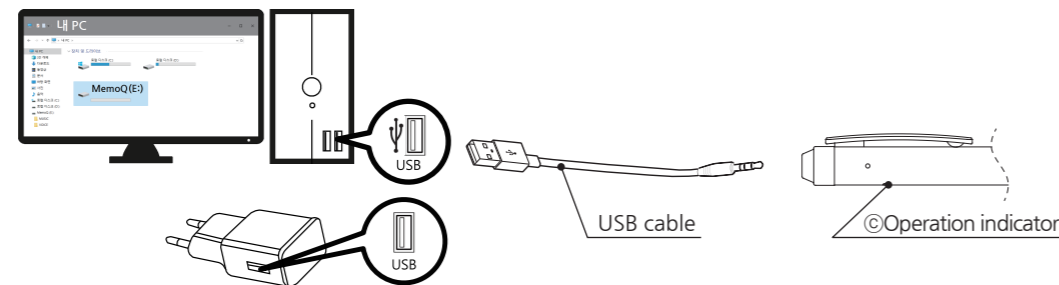* The contents of the User's manual can be changed without notice to improve functionality and performance.

Name of each part

ⓐRecorder	ⓑRecording switch	ⓒOperation indicator	ⓓMicrophone
ⓔUSB terminal	ⓕRemote controller	ⓖEarphone hole	ⓗVolume controller
ⓘNext button	ⓙPrevious button	ⓚPlay/Pause button	ⓛStop button
ⓜMode button	ⓝConnecting jack		

Earphone

ⓐRecorder   ⓕRemote controller

USB cable

Charging

*The product has a built-in battery and can be used after charging. (Charging time : 1 hour)

*Charging starts when the product's ⓔUSB terminal is connected to the PC's USB port or a charging adapter(optional).

⚠ Caution : Be sure to use a certified charging adapter (rated output DC5V/500mA or higher).
Damage to the product due to a defective charging adapter may result in paid repair.

USB cable   ⓒOperation indicator

*During charging, the ⓒOperation indicator flashes RED▶BLUE▶GREEN depending on the battery level and the GREEN LED is turned on when charging is completed

Battery remains indication

*When the product is disconnected from the PC or USB charging adapter, the ⓒOperation indicator will display LED for 5 seconds, depending on the battery level.

*During recording or standby with the remote controller connected, press the ⓜMode button briefly and the ⓒOperation indicator will display LED for 5 seconds, depending on the battery level.

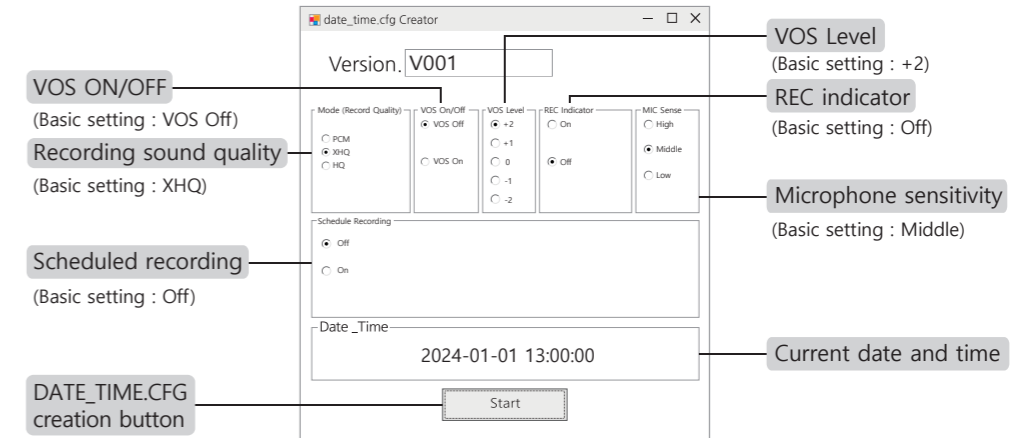| Operation indicator	RED	BLUE	GREEN
Battery remains	0~30%	30~70%	70~100%

Connecting PC USB

*If you keep the ⓑRecording switch in state of STOP and connect it to the USB port on your PC, it is recognized as a "Removable disk (MEMOQ)", and copy, movement, deletion, playback of file is possible.

*For playback, please use the music playback software of PC.

⚠ Caution : When you separate product from PC, please be sure to perform " hardware safety removal"

⚠ Caution : When you remove product from PC by force, fatal error on product can occur.

How to use

Time setting program

1. Connect a USB cable to the product's ⓔUSB terminal, connect it to the PC's USB port and run the "TIME SETUP" program stored on the product.

date_time.cfg Creator

Version. V001

- VOS ON/OFF (Basic setting : VOS Off)
- Recording sound quality (Basic setting : XHQ)
- Scheduled recording (Basic setting : Off)
- DATE_TIME.CFG creation button
- VOS Level (Basic setting : +2)
- REC indicator (Basic setting : Off)
- Microphone sensitivity (Basic setting : Middle)
- Current date and time

Mode (Record Quality): PCM, XHQ, HQ
VOS On/Off: VOS Off, VOS On
VOS Level: +2, +1, 0, -1, -2
REC Indicator: On, Off
MIC Sense: High, Middle, Low
Schedule Recording: Off, On

Date _Time: 2024-01-01 13:00:00

Start

2. After checking the settings according to the usage environment, click the "START" button.

3. If the "DATE_TIME.CFG" file is normally created in the product, disconnect the product from the USB port to complete the setting.

⚠ Caution : The date and time set on the PC are displayed. If the date and time are displayed diffently please check the PC settings.

⚠ Caution : If the product is not separated immediately after clicking the START button, a time error will occur as much as the delayed time.

⚠ Caution : If the product is not separated from the PC after clicking the START button, the setting will not be completed.

Detailed explanation of time setting program

1. MODE (Recording Quality)
* Recording sound quality setting.
  · PCM(No compression : 705kbps/44.1kHz), XHQ(Ultra high sound quality : 128kbps/32kHz), HQ(High sound quality : 64kbps/16kHz)

💬 Tip : Higher recording quality improves sound quality, but increases memory and battery usage.

2. VOS ON/OFF
* VOS Recording : If there is no sound during recording, the recording pauses, and when sound is heard, the recording resumes.
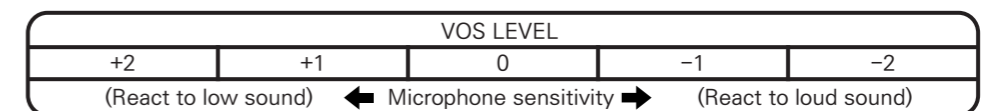 · VOS OFF, VOS ON (VOS recording is turned on/off)

💬 Tip : Unnecessary silent sections are not recorded, saving listening time and memory usage.

⚠ Caution : The battery life is the same regardless of VOS ON/OFF, the difference is that it creates a file by saving only the part where the sound is detected.

⚠ Caution : There is a risk that it may not be recorded depending on the volume, we recommend VOS OFF recording for important recordings.

3. VOS LEVEL
* Set the volume required to resume recording from a pause during VOS recording.
  · +2 Very sensitive(About 52dBA), +1 Sensitive (About 55dBA), 0 Normal (About 58dBA), -1 Insensitive(About 61dBA), -2 Very insensitive(About 64dBA)

VOS LEVEL				
+2	+1	0	-1	-2
(React to low sound)	⬅ Microphone sensitivity ➡			(React to loud sound)

💬 Tip : Change the VOS LEVEL setting after testing it according to the location and situation.

4. REC indicator
* Turn on or off the RED LED on the ⓒOperation indicator during recording.
  · On (During recording, the LED is displayed every 3 seconds)
  · Off (During recording ,the LED is turned off)

Detailed explanation of time setting program

5. MIC Sense
* Set the microphone sensitivity.
  · High sensitivity, Middle sensitivity, Low sensitivity

Tip : When the recording sound is low, set it to the 'High', and when the reccording sound is loud, set it to the 'Low'. Please change it after testing it to match the sound.

6. Scheduled Recording
* Recording starts automatically once a day at a set time.

Schedule Recording
- Off
- On
- Start Time : 13 : 45 (hour / minute)
- Duration : 1 (hour)

· Off, On (Scheduled recording is turned on/off)
· Start time : Time to start scheduled reccording (24-hour-system), Minute (60 minutes)
· Duration : Time to continue scheduled recording (1/2/5/10/20 hours)

⚠ Caution : PCM mode can't be selected during scheduled recording.
⚠ Caution : VOS recording can't be used during scheduled recording.
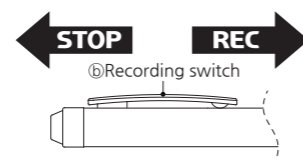⚠ Caution : If the date and time settings are not correct, scheduled recording may malfunction.

Scheduled recording

1. To perform scheduled recording, the ⓑRecording switch must be in STOP position.

2. Recording starts automatically at Start time (Time to start scheduled recording) once a day, and stops automatically after recording as much as Duration (Time to continue scheduled recording).

Tip : When you connect the Remote controller or press the button after connecting, you can check whether it is recorded by the LED display on the ⓒOperation indicator.

Tip : A scheduled recording file is created as a single file based on the Duration setting.

⚠ Caution : When scheduled recording starts, ⓒOperation indicator is not displayed.
⚠ Caution : To force an in-progress scheduled recording to end, move the ⓑRecording switch to REC place and then move to STOP place again.
⚠ Caution : When connected to the charging adapter(option) or PC USB port, scheduled recording in progress is stopped.
⚠ Caution : Scheduled recording does not start while charging or using a PC connection.

Recording

← STOP   REC →
ⓑRecording switch

Start recording
1. When you move ⓑRecording switch to the REC place, the recording starts in about 5 seconds.
2. When the recording starts, a Red LED is displayed on the ⓒOperation indicator for 5 seconds.

Tip : During recording you can monitor the recording situation in real time by connecting the remote controller and the earphone.

⚠ Caution : If there is not enough storatge space or if the battery remains are low, when recording starts, the Red LED flashes 5 times on the ⓒOperation indicator and the recording does not start.

Stop recording
1. When you move ⓑRecording switch to the STOP place, recording is saved and powered off.
2. When the recording is end, the Red LED flashes 3 times on the ⓒOperation indicator.
* Recorded files are created sequentially from R-00001 in the Voice folder, and up to 9,999 files can be created.
* It is saved in R-00001_2401011200 (YY/MM/DD/HH/MM) format, and the file names are classified according to Normal Recording (REC)/ VOS Recording (VOS)/ Scheduled Recording (SCHED).
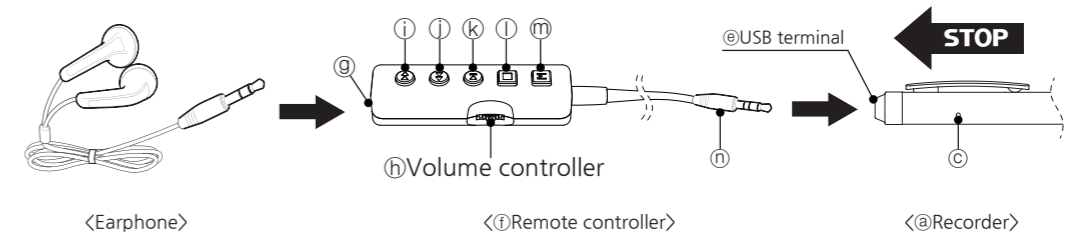
Ex)
- R-00001_2401011200_REC.MP3 (Normal recording)
- R-00001_2401011200_VOS.MP3 (VOS recording)
- R-00001_2401011200_SCHED.MP3 (Scheduled recording)

⚠ Caution : During continuous recording, the recorded file is automatically divided and saved every 5 hours. However, when you set up VOS ON, files are divided and saved every hour.

⚠ Caution : If the battery is discharged, the set date&time will be reset to 00:00 on January 01, please use it after resetting it after charging.

Playing recording files

ⓘ ⓙ ⓚ ⓛ ⓜ   ⓔUSB terminal   STOP
ⓖ   ⓗVolume controller   ⓝ   ⓒ
〈Earphone〉 〈ⓕRemote controller〉 〈ⓐRecorder〉

1. Connect the earphone to the ⓖEarphone hole and the Connecting jack on the Remote controller to the ⓔUSB terminal of the product.
2. If the ⓚPlay/Pause ( ) button is pressed for more than 5 seconds, the ⓒOperation indicator will flash a Blue LED and playback will begin after the "Beep" sound.
* During playing, press the ⓚPlay/Pause button ( ) briefly to pause playback and press the ⓚPlay/Pause button ( ) again to resume playback.
* When the ⓛSTOP button ( ) is pressed during playback, the Blue LED on the ⓒOperation indicator stops flashing and the playback stops.
* If the remote controller is removed during playback or standby, or if there is no operation for a minute in the standby state, the power is automatically turned off.
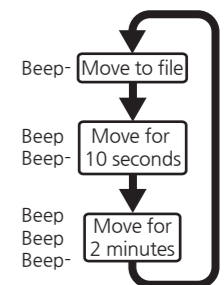
⚠ Caution : Playback is not available during recording.

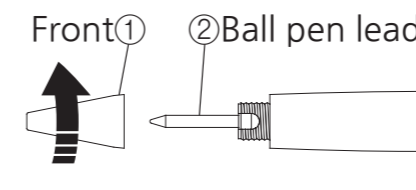Tip : In the case of file having long recording time, playback on PC is recommended.

Moving files

* If you press the ⓙPrevious button ( ) during playback, it will be moved to the previous file or backwards 10 seconds or backwards 2 minutes according to the settings.
* If you press the ⓘNext button ( ) during playback, it will be moved to the next file or forward 10 seconds or forward 2 minutes according to the settings.
* Press and hold the ⓙPrevious button ( ) while standby to go to the first recording file and play it.
* Press and hold the ⓘNext button ( ) while standby to go to the last recording file and play it.

Beep- Move to file
Beep Beep- Move for 10 seconds
Beep Beep Beep- Move for 2 minutes

Tip : Press the ⓜMode button ( ) briefly during playback to set the file movement interval.

Change the ball-point pen lead

Front①   ②Ball pen lead

Seperate ①Front by turing counter clockwise and separate ②Ball pen lead by pulling and insert new ball pen lead in to separated hole.

Specification

Model		MQ-79	
Hours of battery use	PCM	About 13 hours	
	XHQ	About 16 hours	
	HQ	About 20 hours	
Playback time		About 10 hours	
Recording time	Memory	4 GB	8 GB
	PCM	Abt 12 hours	Abt 24 hours
	XHQ	Abt 72 hours	Abt 144 hours
	HQ	Abt 144 hours	Abt 288 hours
Charging time		About 1 hours	
Max. Recording files		9,999 files	
Size(mm), Weight		Ø11.4 * 134.2mm, 19.9g	
Battery		3.7V, Li-Polymer 0.555Wh	
Usage environment		Temperature:0~40℃, Humidity:20~80%	
Component		User manual, Earphone, Remote controller, USB cable, Ball pen lead	

Warranty

Product name	Digital voice recorder
Model No.	MQ-79
Purchasing date	
Purchasing place	
Telephone no.	
Etc.	
Warranty period	1 year
Customer Name	
Customer Address	
Customer Telephone	

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.
- If parts need to be replaced.