MemoQ

Owner's Manual

**MODELS : MR-710 / MR-720 / MR-740,
EVR-710/EVR-720/EVR-740**

Digital Voice Recorder

CE FC

Made in Korea

Before connecting, operating or adjusting this product,
please read this owner's manual carefully and completely.

Designs and specifications are subject to change without notice for improvement.

FCC Caution

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 Note

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 designd 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, any, 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 tu rning 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.

Table of Contents

Safety note

• This manual is for preventing the user and his/her property from being damaged, so please read it thoroughly before using.

• We are not responsible for the loss from using this product and the claim by the third party.

• We are not responsible for the damage from the loss of the recorded contents due to failure, repair and other reasons.

• We recommend you to save the important recorded contents at the computer immediately.

• The illegal usage is prohibited.

Caution and warning for the main body

⚠ Caution

• Shocking or dropping the product may cause the failure.

• Do not use alcohol, benzene or thinner to clean the surface of the product.

• Do not use the earphone to listen to music or operate the product while driving or walking. It may cause the traffic accident.

⚠ Warning

• Do not disassemble or modify the main body, which causes fire or failure.

• Listening via the earphone for a long time may hurt your hearing ability.

• Do not use this product at too low/high temperature. The condensation by the electric leakage may cause fire or failure.

• Do not leave this product at the location exposed to water or oil. It may cause fire or failure.

Denomination of each part
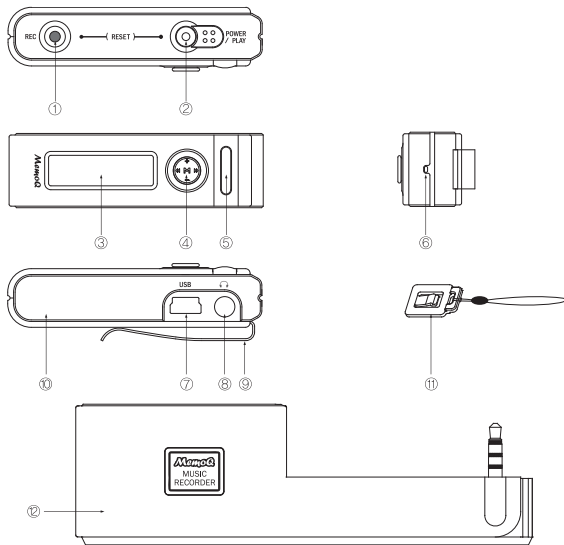
1. Record button	5. Built-in speaker	9. Clip
2. Power/Play button	6. Microphone	10. Main body
3. LCD	7. USB port	11. Strap
4. Jog (mode) button	8. Earphone jack	12. Battery pack

Explanation of LCD screens

Recording display — Recording time — Recorded file name — Remaining battery — Record/Play — Playing time

[] 00:00:00 A4 — When recording

A-R00001.m A4 — Voice ready display

▶ 00:00:01 A4 — When playing — Microphone sensitivity — Folder

Music file name

Song title.mp3 — Music ready display

Music playing — Playing time

▶ 00:00:05 — When playing music — Music Mode

Folder level — Folder

1 □ Folder name — Folder name — Search mode (1)

Folder lever — Music file

3 ♪ Song title.mp3 — Music file name — Search mode (2)

Preparation (charging)

- The charging battery is built in this product.

- This product should be charged by connecting the USB cable to the PC USB port or the USB DC adapter. (about 2 hours for the full charge)

- It may be charged by the auxiliary battery pack.
  Four "AAA type" batteries should be used for the pack.

- When connecting the auxiliary battery pack, playing and recording can be simultaneously performed while charging the batteries.

- The charging status can be checked by the LCD display with the power turned on.

Fully charged   Partially discharged   Almost discharged   Completely discharged

- When the USB is not recognized, it is necessary to reset the product.

⚠ Caution – When the batteries are discharged, the power is not turned on.
So, it is necessary to charge.

⚠ Caution

• When removing the auxiliary batteries, hold the speaker of the product, and then remove them slightly.


Disassemble ⬆   Assemble ⬇

Using the auxiliary battery pack

• The auxiliary battery pack is useful when it is not possible to use the external power supply due to business trip or travel.

• After inserting batteries into the auxiliary battery pack, connect the product to charge.

• The charging status can be checked on the LCD with the power turned on.

• Playing and recording can be simultaneously performed while charging the auxiliary battery pack.

• The auxiliary battery pack can be used to perform the long-time recording (continuously about 3 days/HQ mode).

<After connecting the pack>   <After connecting the batteries>
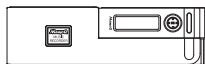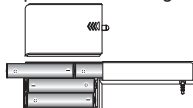
Initialization (RESET)

• It can be initialized by pressing 'PLAY' button and 'REC' button at once.

• It should be initialized when it is not possible to recognize the USB, to charge or to operate.

• When initializing is completed, the power is turned off. So, press and hold the PLAY button for 3 seconds or longer to turn on.

⚠ Caution - When it is initialized while recording, the recording contents is not saved and lost.
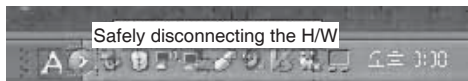
Using the DC power supply

• The product can be continuously operated while charging with the external power supply (DC adapter).
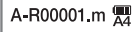
1. Using the PC USB port power supply

• Connect the PC USB port and the product via the USB cable.

• With the USB port connected, PC CONNECTED 🖳 is displayed.

   At this time, perform 'Safely disconnecting the H/W'.

Safely disconnecting the H/W

<'Safely disconnecting the H/W' screen>

• Press and hold the PLAY button for 3 seconds or longer to switch to the OPERATION mode, and it is possible to perform playing or recording while charging.

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• It is not possible to upload/download files while being operated via the PC USB power.

• After disconnecting and then connecting the USB cable to the product, it is switched to the USB connection mode to upload/download files.

2. Using the USB DC adapter (5V) power

• Connect the USB cable to the USB port of the DC adapter, and connect the USB cable to the USB port of the product.

• After pressing and holding the PLAY button for 3 seconds or longer to switch to the operation mode, it goes to the ready (stopped) state which enables playing or recording while charging.

Turning on/off the power

• When you press and hold the PLAY button for 3 seconds or longer, "MemoQ" is displayed at the LCD and then disappears, and it moves to the finally played file at the folder and gets being ready.

• Pressing and holding the PLAY button for 3 seconds or longer while playing turns off the power.

• When it lasts 3 minutes or longer at the ready state, the power is automatically turned off.

Selecting the play mode (VOICE/MUSIC)

• At the ready state, pushing and holding the job button for about 3 seconds switches from MUSIC mode to VOICE mode or from VOICE mode to MUSIC mode.
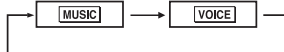
| MUSIC | → | VOICE |

• At the MUSIC mode, it plays the music file within the "MUSIC" folder.

Song title.mp3

• At the VOICE mode, it plays the recorded file within the "VOICE" folder.

▶ 00:00:01

<Initial folder tree>
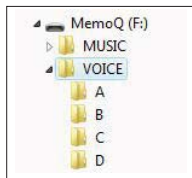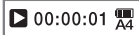
⚠ Caution

1) It is possible to play the files within "MUSIC", "VOICE" folder or the subfolder only.
2) "MUSIC" or "VOICE" folder is not displayed at the LCD of the product, but it displays the folder at the lower level.

Recording

- When pressing the REC button for 3 seconds or longer with the power turned off, the power is turned on and recording starts immediately.

RECORDING....

- With the power turned on, pressing the REC button starts recording. Pressing the REC button while recording pause recording.

- The recorded file type is "mp3" and the file is saved at the selected folder.

- The files are sequentially saved at the selected folder starting from A-R00001.mp3. (Pausing within 3 seconds after recording does not save the recorded contents and stops.)

A-R00001.m $\frac{\text{▯▯▯}}{\text{A4}}$

- At the initial recording mode (see "Mode setting"), it is set as "Microphone sensitivity 4m".

MODE ☑ HQ   MIC ☑ 4 m

⚠ Caution
1) Long-time recording is automatically split and saved by 10-hour, which makes it easy to upload / download, play, search and manage files.
2) After 999 files are created at one folder, the next file is automatically moved to and saved at the next folder.

Checking the recording time.

- At the stopped state, pushing and holding the button to (+) direction for 3 seconds or longer displays the recording time of the selected file at the LCD for 3 seconds.

Setting the microphone sensitivity

• The microphone sensitivity can be set during recording or at the mode setup.

• During recording, pushing and holding the button to the (+) direction for 3 seconds or longer increases the microphone sensitivity by the order of 1m-4m-8m while pushing and holding the button to the (-) direction for 3 seconds or longer decreases the microphone sensitivity by the order of 8m-4m-1m.
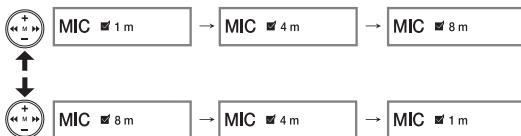
• The set microphone sensitivity can be checked at the LCD. | A-R00001.m 🖵 | ← Mic. sensitivity

• Set and use the sensitivity suitable to the distance of the sound source to record.

Setting the sensitivity	1m	4m	8m
Example	Loud voice	Mid tone	"Small voice, long-distance recording"
	Interview	"Talk, music, lecture"	"Auditorium, convention, office"
	Music	Mobile phone call	Normal phone call
ALC setup	Possible to set ON/OFF	Possible to set ON/OFF	Fixed to ALC ON

⚠ Caution

1) Recording sound depends on the amplitude of the sound source.
2) Nearer sound source and shorter microphone distance can give the less noise.
3) When the microphone sensitivity is set to 8m, the ALC function is always set to ON to prevent the sound distortion due to the over-input. | ALC 🗹 ON |

Playing the recorded file

• The play mode should be set as VOICE for playing the recorded file.

• At the ready state, pressing the PLAY button starts playing.
Pressing the PLAY button toggles between pausing and playing.

`A-R00001.m 🔳`
`A4`

• While pausing or playing, pushing the jog button to Previous (◀◀) or Next (▶▶) direction moves to the previous or next file within the selected folder.

• While playing, pushing and holding the job button to Previous (◀◀) or Next (▶▶) direction for 2seconds or longer performs the fast searching.

• It plays via the earphone or the built-in speaker, so adjust the volume properly.

• When the power is turned on, the volume over 11-level is reset to 10-level. (It protect the hearing sense against the highest volume when using the earphone.)

⚠ Caution – When browsing the folder, please use the search function

Controlling the play speed

• Whenever you push and hold the jog button to the (+) direction for 3 seconds or longer while playing, the play speed can be sequentially selected within the playing file by the order of -20%, -10%, NORMAL, +10% and +20%.

`SPEED + 10 %`

• Whenever you push and hold the jog button to the (-) direction for 3 seconds or longer while playing, the play speed can be sequentially selected within the playing file by the order of +20%, +10%, NORMAL, -10% and -20%.

`SPEED – 10 %`

• When moving to the other file, the speed is automatically set to NORMAL.

Volume control

• At the play or ready state, pushing the jog button to the (+) or (-) direction displays the volume level at the LCD and the volume is controlled.

• If the volume level is 11 or higher when the power is turned on, it is reset to 10-level, which protects the hearing sense against the highest sound.

Minimum	Vol 00 🔋 A4	Maximum	Vol 20 🔋 A4

Uploading / downloading files

• Connect the USB cable to the main body of the product and the USB port of the PC.

PC CONNECTED 🖳

• After several minutes at maximum, the PC automatically recognizes this product as portable disk.

• Uploading/downloading files can be used same to the Windows explorer function.

• Any file can be saved regardless the file type and this product can be also used as the USB MEMORY DISC.

• If the voice file is saved at A, B, C or D folder within the "VOICE" folder and the music file is saved at the "MUSIC" folder, the files can be played with the best quality.

⚠ Caution – When disconnecting the USB cable from the PC,
we recommend performing "Safely removing the H/W" for protecting.

4 🖥 Desktop
  ▷ 🖥 hsh
  ▷ 📁 Public
  4 🖥 Computer
    ▷ 💾 Vista-eng (C:)
    ▷ 💾 Vista-64 (D:)
    ▷ 💿 DVD RW Drive (E:)
    ▷ 💾 MemoQ (F:)

<Screen showing connection to the PC as MemoQ (F :) portable disk>

4 💾 MemoQ (F:)
  ▷ 📁 MUSIC — Saving the music file
  4 📁 VOICE
    📁 A
    📁 B   Saving
    📁 C   the voice file
    📁 D

<Folder tree>
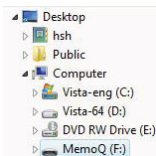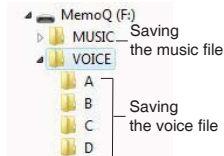
Browsing folder / file

• The browsing function searches for the file, which can search for the file to play immediately even while playing.

• Pressing the MODE button while pausing or playing (within 1 second) switches to the BROWSE mode.

1♪ POP

• Pressing and holding the MODE button for 3 seconds or longer cancels the BROWSE mode.

• When it is selected as MUSIC or VOICE mode, it is possible to search for 'MUSIC' or 'VOICE' folder only.

Move to the higher/lower folder

Previous (◄◄) ←(◄◄ ▶▶)→ Next (▶▶)
(Jog button)

(+)

Browsing within the folder

(-)

```
☐ ☐ MUSIC
    ☐ CLASSIC
        ☐ CANON
        ☐ TOW GILS - So hot
☐ ☐ POP
    ☐ OLD POP
        ☐ TOW GILS 11- LOVE
        ☐ TOW GILS - ONE DAY
```

Level 0   Level 1   Level 2   Level 3

Browsing :
Folder screen

2☐ OLD POP

Level   Folder   Folder name

Browsing :
Music file screen

3♪ TOWGIL

Level   Music file   File name

14
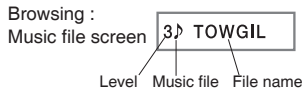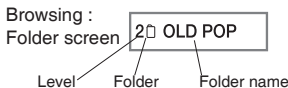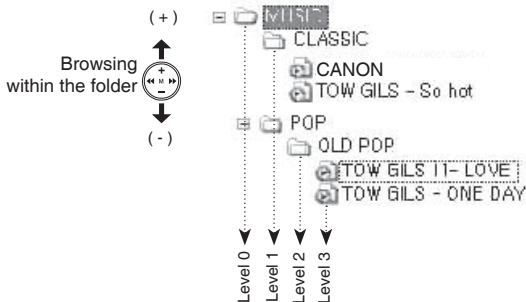
- At the BROWSE mode, pushing the jog button to Previous (◀◀) or Next (▶▶) direction moves to the previous or next folder.

- Pushing the jog button to the volume (+) or (-) direction searches for the folder and the music file within the selected folder.

- Pressing the MODE button plays the searched file and the BROWSE function is disabled.

- Pressing the MODE button for 3 seconds or longer disables the BROWSE function.

- The BROWSE function is automatically disabled 30 seconds after stopping browsing.

- The level is displayed up to the Level 9 whenever moving to the lower level based on "MUSIC" or "VOICE" folder as the Level 0.

  ⚠ Caution – "MUSIC" and "VOICE" folders are not displayed at the LCD of the product, but their subfolders are displayed. (The Level 0 is not displayed.)

Setting the mode

- The mode setup sets EQ (playing characteristics), repeated playing, microphone sensitivity, recording characteristics, automatic sensitivity control, LCD screen, setting the ready-to-record, selecting the recording folder and setting the VOS (Voice Operation System).

- At the ready (stop) state, pressing the MODE button for 3 seconds or longer switches to the mode selection.

- Pushing the jog button to the volume (+) or (-) direction selects the mode to set.

ERASE ☑ NO	Erase the file
EQ ☑ FLAT	Setting the play characteristics
REP ☑ OFF	Setting the repeated play
MIC ☑ 4 m	Setting the microphone sensitivity
MODE ☑ HQ	Setting the recording characteristics
ALC ☑ ON	Setting the automatic Sensitivity
LCD ☑ ON	Setting to turn on/off the LCD
VOS ☑ OFF	Setting the automatic voice recognition recording
REC ☑ STOP	Stopping recording, pushing
FOLD ☑ A	Setting the folder to record
FORMAT ☑ NO	Formatting
EXIT	Exiting from the mode

(+)
↑
Mode selection (◀◀ M ▶▶)
↓
(−)

- Pressing and holding the MODE button for 3 seconds or longer disables the mode setup function.

Erase (deleting the file)

• Play the file to delete, and check its contents.

• Press the PLAY button to pause.

• Pressing and holding the MODE button to switch to | ERASE ☑ NO | screen.

• Use Previous (◄◄) or Next (►►) jog button to select | ERASE ☐ YES | .

• When you press the MODE button, the screen for confirming to erase is display.
 If you select 'YES' and press the MODE button, | ERASING.... | screen is
 displayed and then disappears, and the selected file is deleted.

• For canceling the file deletion, it is cancelled by selecting | ERASE ☑ NO | and
 then pressing the MODE button.

⚠ Caution – 1) It is not possible to restore the deleted file.
   2) File deletion is also possible at the PC.

Setting the EQ (playing characteristics)

• At the EQ mode screen, Use Previous (◄◄) or Next (►►) jog button to select the
 playing characteristics (EQ).

EQ ☐ FLAT	EQ ☐ ROCK	EQ ☐ HOUSE	EQ ☐ DANCE
EQ ☐ JAZZ	EQ ☐ BALLAD	EQ ☐ R&B	EQ ☐ CLASSIC

• At the selected, press the MODE key to set the displayed mode.

| EQ ☐ ROCK | → | EQ ☑ ROCK |

• When you press and hold the MODE button for 3 seconds or longer, the mode
 setting is saved and the mode setup function is disabled.
 * Select and play the music via the EQ (playing characteristics) setup by genre and preference.

⚠ Caution – The EQ (playing characteristics) is applied when playing the music file,
   but it is set to FLAT (EQ OFF) when playing the voice file.

Setting the REP (repeated playing)

- The repeated playing can be set to OFF, 1, ALL or FOLDER.

- At the REP screen, use Previous (◀◀) or Next (▶▶) jog button to select the REP mode.

- Press the MODE at the selected screen to set as the displayed mode.

| REP ☑ OFF | Play all files starting from the playing file at the selected folder only and then stop. |
REP ☑ 1	Only the file displayed at the LCD is repeated to play.
REP ☑ ALL	Repeat playing all files at the selected folder from "VOICE" or "MUSIC" folder.
REP ☑ FOLDER	Repeat playing the files only at the selected folder.

- When you press and hold the MODE button for 3 seconds or longer, the mode setting is saved and the mode setup function is disabled.

Setting the MIC (microphone) sensitivity

- The microphone sensitivity can be selected as 1m, 4m or 8m.

- The microphone sensitivity can be set according to the distance of the sound source and the volume of the sound.

- At the MODE screen, use Previous (◀◀) or Next (▶▶) jog button to select the distance.

  MIC ☐ 1 m → MIC ☐ 4 m → MIC ☐ 8 m

- Pressing the MODE key at the selected screen to set the displayed distance.   MIC ☑ 4 m

- When you press and hold the MODE button for 3 seconds or longer, the mode setting is saved and the mode setup function is disabled.
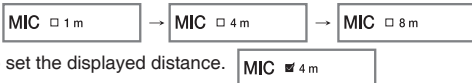
⚠ Caution – Selecting the microphone sensitivity depends on the amplitude of the sound source.

Setting the sensitivity	1m	4m	8m
ALC setup	Possible to set ON/OFF	Possible to set ON/OFF	Fixed to ALC ON

Setting the (recording) mode

- The recording mode can be set to long-playing (LP), high quality (HQ) or extra high quality (XHQ) depending on the recording environment.

- The XHQ (128 Kbps) is optimal for the music recording, which can make a high quality of music file.

- At MODE ☑ HQ screen, use Previous (◄◄) or Next (►►) jog button to select the recording mode.

MODE ☐ LP → MODE ☐ HQ → MODE ☐ XHQ

- Pressing the MODE at the selected screen sets the displayed mode. MODE ☑ XHQ

Recording time by mode			
	MR-710(EVR-710)	MR-720(EVR-720)	MR-740(EVR-740)
LP	About 144 hours	About 288 hours	About 576 hours
HQ	About 72 hours	About 144 hours	About 288 hours
XHQ	About 18 hours	About 36 hours	About 72 hours

- When you press and hold the MODE button for 3 seconds or longer, the mode setting is saved and the mode setup function is disabled.

⚠ Caution – The recording time depends on the configuration of folder or file.

Setting the automatic level control (ALC)

At ALC ☑ ON screen,
use Previous (◄◄) or Next (►►) jog button to select ON or OFF.

ALC ☐ ON → ALC ☑ OFF

- When you press and hold the MODE button for 3 seconds or longer, the mode setting is saved and the mode setup function is disabled.

- The ALC function suppresses the loud sound and amplifies the weak sound to record.

- The ALC function is suitable for the voice recording.

- The ALC function can be disabled only with 1m or 4m microphone sensitivity, which can perform the dynamic and high quality (XHQ mode) recording for the music and the music instrument.

⚠ Caution – 1) Because the distortion is occurred by the over-input (loud sound) with the ALC disabled(OFF), select the microphone sensitivity and the distance for the sound source according to the amplitude of the sound.
2) When the microphone sensitivity is set to 8m, the ALC function is always set to ON to prevent the sound distortion due to the over-input.

Selecting the LCD

- If the LCD is set to OFF when recording, the LCD is turned off 10 seconds after the button is not pressed.

LCD ☑ OFF

- Pressing the REC button turns on the LCD at unlighting LCD, and pressing the REC button turned on stops recording at lighting LCD.

At LCD ☑ ON screen,
use Previous (◄◄) or Next (►►) jog button to select ON or OFF.

- Pressing the MODE key at the selected screen sets ON or OFF displayed on the screen.

LCD ☐ ON → LCD ☑ OFF

- When you press and hold the MODE button for 3 seconds or longer, the mode setting is saved and the mode setup function is disabled.

* The LCD OFF function is applied to recording only and it is useful for hiding the recording operation.

Setting the voice operation system (VOS)

At `VOS ☑ ON` screen, use Previous (◄◄) or Next (►►) jog button to select ON or OFF.

• Pressing the MODE key at the selected screen sets ON or OFF displayed on the screen.

`VOS ☐ ON` → `VOS ☑ OFF`

• With the VOS function, when you press and hold the MODE button for 3 seconds or longer, the mode setting is saved and the mode setup function is disabled.

   * When the voice is not recognized, the VOS function pauses recording. But when the voice is recognized, it automatically starts recording, which can efficiently use the memory.

Setting the REC (recording) operation

• The REC operation can be selected as STOP or PAUSE.

At `REC ☑ STOP` screen, use Previous (◄◄) or Next (►►) jog button to select STOP or PAUSE.

• Pressing the MODE key at the selected screen sets STOP or PAUSE displayed on the screen.

• When you press and hold the MODE button for 3 seconds or longer, the mode setting is saved and the mode setup function is disabled.

If it is set to `REC ☑ STOP`, pressing the REC button pauses recording, and then the file is saved.

If it is set to `REC ☑ PUASE`, pressing the REC button gets ready for recording, and then pressing the REC button resumes recording.

Pressing the REC button for 3 seconds or longer stops recording.
At the PAUSE state, the recording time pauses and flashes at the LCD.

⚠ Caution – When it elapses 3 minutes at the PAUSE state, the recorded file is saved and the product is stopped.
   * The REC PAUSE is useful for appending the recorded contents to one file.

Selecting the recording folder

• The folder selection function saves the recording file at the selected folder.

• It is convenient when the recorded contents are managed by folder.

At | FOLD ☑ A | screen, use Previous (◀◀) or Next (▶▶) jog button to select the folder.

| FOLD ☐ A | → | FOLD ☐ B | → | FOLD ☑ C | → | FOLD ☐ D |

• Pressing the MODE key at the selected screen sets the folder displayed on the screen.

• When you press and hold the MODE button for 3 seconds or longer,
 the mode setting is saved and the mode setup function is disabled.

Formatting

• It deletes all files.

• Formatting can be also done at the PC, but when you perform formatting at this product,
 the speed of the operation such as starting or stopping to record gets faster.
 We recommend the formatting at this product.

At | FORMAT ☐ YES | screen,
 push the jug button to Next (▶▶) direction to select 'FORMAT YES'.
And when you press the MODE key at the selected screen,
the screen for confirming whether to format is displayed.
When you select 'YES' and press the MODE button, | FORMATING | screen is
displayed and then disappears, and formatting starts.
If you press the MODE button after selecting 'NO', formatting is cancelled.

| FORMAT ☑ NO |

⚠ Caution – Make sure to save the information files to the PC before formatting.
 The deleted file can not be restored. For preventing the system, formatting can
 be performed only when the battery is higher than Level 1. ▭▮

Exiting from the mode setting

At the | EXIT | screen,
pressing the MODE button to disable the mode setting.

• Or, pressing and holding the MODE button for 3 seconds or longer saves the mode setting and then disables the mode setup function.

• The mode setup function is automatically disabled 30 seconds after stopping the mode setting.

Assembling / disassembling the clip

• Assembling : Insert the clip into the connector of the case to assemble until it sounds "Click!".

• Disassembling : Press and hold the snapping part at the inside of the clip hole with the tool and push the clip to the direction pointed by the arrow to remove.

Connecting part

Push

Press

<Assembling>

<Disassembling>
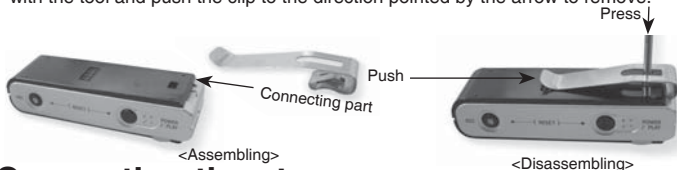
Connecting the strap

• Insert the strap into the hole of the mobile phone, and then insert it into the recorder to connect.

Insertion
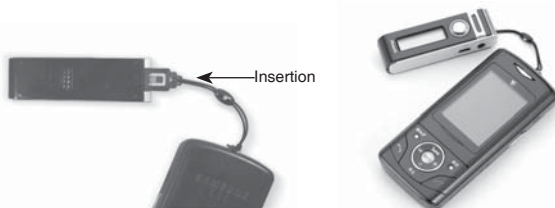
Recording the mobile phone call

• It is possible for this product to record the phone call conveniently by connecting it to the mobile phone just like the accessory with no electric connection.

• Set the microphone sensitivity to 4m, and then it is possible to record while calling as shown at the figure.

(Figure A) <Hanging the recorder>

(Figure B) <Grasping the recorder>

• It is possible to record as shown at Figure A, but the nearer the distance between the microphone of the recorder and the receiver of the mobile phone is, the clearer the recording quality is as shown at Figure B.

• When recording, set the receiving volume as high as possible and keep some distance between the receiver and the ear to record.

• 8m may be also selected as the microphone sensitivity and we recommend to set it suitable for the performance of your mobile phone.

Recording the normal phone call

• Set the microphone sensitivity to 4m when recording, and it is possible to record while recording as shown at the figure.

• The nearer the distance between the microphone of the recorder and the receiver of the mobile phone is, the clearer the recording quality is.

• In order to letting the sound trickle while recording, secure some space between the receiver and the ear.

• 8m may be also selected as the microphone sensitivity and we recommend to set it suitable for the performance of your mobile phone.

<Grasping the recorder>

SPECIFICATIONS

Model		MR-710 / EVR-710	MR-720 / EVR-720	MR-740 / EVR-740
Memory		1GB	2GB	4GB
Recording time	XHQ	About 18 hours	About 36 hours	About 72 hours
	HQ	About 72 hours	About 144 hours	About 288 hours
	LP	About 144 hours	About 288 hours	About 576 hours
Continuous battery usage (the charging battery of the product fully charged)	Recorder	Recording : About 7hours	XQ, LP mode	
		Playing : About 7 hours	Via the earphone	
	Auxiliary battery pack	Recording : About 72 hours	XQ, LP mode	
		Playing : About 26 hours	Via the speaker of the recorder	
Charging time		About 2 hours		
Available maximum output	Earphone	3.5mW+3.5mW / 32ohms		
	Speaker	450mW / 8ohms		
Dimension	Recorder	(W) 65.5 x (H) 19.3 x (D) 15.3mm		
	Connected with the auxiliary battery pack	(W) 107.5 x (H) 36.3 x (D) 15.3mm		
Weight	Recorder	18.3g		
	Auxiliary battery pack	22g (excluding the battery)		
Operating environment		0°C~40°C		
Accessories		Earphone, USB cable, Battery pack, Owner's manual, Strap, Clip		

Designs and specifications are subject to change without notice.

WARRANTY CARD

Product name	Digital voice recorder (*MemoQ*)
Model name	

Date of purchase	
Place of purchase	
Purchasing price	
Telephone number	
Others	

Warranty period	

Customers

Name	
Address	
Telephone number	

CHARGED SERVICE

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