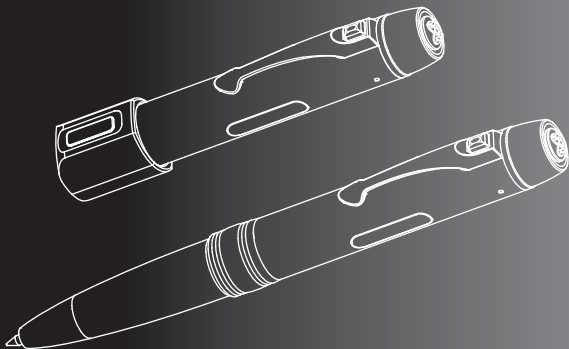# MemoQ

Owner's Manual

MODEL: MQ-D920/MQ-D940/MQ-D980

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 provement.

CE FC

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 design 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

1. 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.

2. Denomination of Each Part

① Ball-point Pen Lead ② Ball-point Pen Lead Replacement Part ③ Front Case ④ Holder Case ⑤ Earphone/Microphone Jack
⑥ USB Jack ⑦ USB Port ⑧ LCD ⑨ Microphone ⑩ Jog/Mode(Play) Button ⑪ Recording Button ⑫ Speaker

>> Ball-point Lead Part <<   >> Gender Part <<   >> Main Part <<

⑩[Jog/Mode
(Play)Button]

4

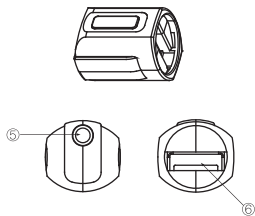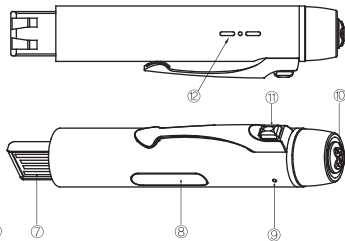# 3. Explanation of LCD Screens

Recording Display | Recording Time | Microphone Sensitivity

1 00:00:00 NA HQ — Recording Mode

When Recording

Recorded File Name | Recording Folder

A-R00001 NA HQ

Voice Ready Display

Record/Play | Playing Time | Battery Indicator

▶ 00:00:01 NA HQ — Repeat Play

When Playing

Folder Level | Folder

1☐ Folder Name — Folder Name

Search Mode(1)

Music File Name | EQ Mode

Music File Name FL MP3

Music Ready DisPlay

Music Playing | Playing Time

♬ 00:00:05 FL MP3 — Music File Name

When Playing Music

Folder Level | Music File

3♪ File Name — Music File Name

Search Mode(2)

---

*Microphone Sensitivity: N [NORMAL], H [HIGH]
*Record Folder: A, B, C, D
*EQ Mode: FL[FLAT], RO[ROCK], HO[HOUSE], DA[DANCE], JA[JAZZ], BA[BALLAD], RB[R&B], CL[CLASSIC]

*Recording Mode: LP, HQ, XHQ, PCM
*Repeat Pllaybasic: ↦ [OFF], 1 [1], A [ALL], F [FOLDER]

4. Preferation before Using(Charging)

• This unit include a battery
• Perchased product should be charged by connection with USB terminal and PC USB port (or USB PC adabter)
• Charged condition can be verified by LED power on made as below

Enough	Little Used	Much Used	Empty

• In case of not reading of USB, Do reset.

⚠ Caution
Power will not turn on in case of empty battery

5. Reset

• If you want reset press play and REC buttons together
• Reset the product in case of no USB reading or no charging.
• Reset the product in case of not using the unit long time, charging or operation is impossible.
• After reset, press play button for 3 seconds with power of condition to turn on the power.

⚠ Caution
If Reset the unit during recording th recorded contents will not lost.

6. Usage of DC Power

• This unit can be charged and operated by using a external DC adapter.

6-1. PC USB Port Power Usage

• Connect this unit to PC USB terminal

• LED screen will show PC CONNECTED 📟 when USB is connected.

• When play back button is pressed for more than 3 seconds the operation made will happen, then charging, play back and recording are possible

A-R00001　　NA 🔋
　　　　　　↴ HQ

• In case fo PC USB Power operation mode, file up/down load will be impossible.

• If this unit is disassembled and reconnected, USB connection made will happen, file up/down load is possbie.

6-2. USB PC Adapter(5V) Power Usage

• Connected USB PC adapter terminated and the unit then CHARGING....　📟 will adaper.

• When play back button is pressed for more than 3 seconds the operation made will happen, then charging, play back and recording are possible

⚠ Caution

Remove hardware before disconnect this unit from PC body for your safety.

7. Power On/Off

• If you press more than 3 seconds LED screen MemoQ will appear and disappear than the contact will be on stand by in the last recorded folder.

8. Play Back Mode Selection

• At stand by mode, push jog button " - " direction about 3 seconds, Music mode will change to Voice mode and then Voice mode to Music Mode.
• Music Mode - Playback Music File in the Music Folder.
• Voice Mode - Playback Recorded file in the Voice Folder.

⚠ Caution

1) File playback is only possible in the Voice Folder or lower folder.
2) This Unit's Screen will not show "MUSIC" or "VOICE" Folder, it will show only the lower folders.

9. Recording

- When power off connection, press REC button for more than 3 seconds. Power will come on and recording will start.

RECORDING....

- When power on connection, press REC button. Briefly recording will start.
- Recorded file types are mp3 or PCM file, interchanger abillity is excellent and recorded in th selected folder.

A-R00001 $^{NA}_{↳}$ $^{▥}_{HQ}$

- Recording will happen in the selected folder starting with A-R00001 continnusly(If stop the unit with in 3 seconds after recording, the Recorded content will be lost)
- Initial Recording mode(See Mode Selection) is XHQ(high fidelity), Microphone Sensitivity is in the Normal(4m).

MODE ☑ XHQ

MIC ☑ NORMAL

⚠ Caution

1) Long period of Recording is divided by 10 hours automatically. It is easy to play back, search, and manage.
2) When the 999 folders created in th one folder automatic file transfer and recording will happen.

10. Adjustment of Mike Sensitivity

• It is possible to adjust Microphone Sensitivity during Recording or Mode selection.
• During recording Mic Sensitivity adjustment will happen when the(+ button) is pressed for more than 3 second (Normal → High) happend, the(- button) is pressed for more than 3 seconds High → Normal will happend

MIC ☑ NORMAL → MIC ☑ HIGH   MIC ☑ HIGH → MIC ☑ NORMAL

Mike Sensitivity

• Adjusted Mic Sensitivity can be verified in the LED screen.   A-R00001 NA HQ
• Adjust Optirmum distance for the desired record level.

SensitivityAdjusment	Mic Sensitivity(Normal)	Mic Sensitivity(High)
Exemple	Interview, Medium Voice "Recording talking, Music lecture"	"Low Voice, Long distance Recording" "Hall, Meeting Room, Whole Office"

⚠ Caution

Recorded sound can be different in accordance with source of the sound level.

11. 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` NA ⊓↵ HQ ▥

• 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

12. 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 Minimum `Vol 00` NA ⊓↵ HQ ▥ Maximum `Vol 20` NA ⊓↵ HQ ▥ 10-level, which protects the hearing sense against the highest sound.

13. 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%.
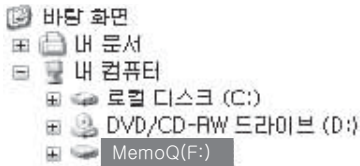
• Whenever you push and hold the jog button to the (-) direction for 3 seconds or longer while playing, the play speed can be sequentially selected within the playing file by the order of +20%, +10%, NORMAL, -10% and -20%.

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

SPEED + 10％

SPEED - 10％

14. Uploading / Downloading Files

• Connect the USB cable to the main body of the product and the USB port of the PC.
• After several minutes at maximum, the PC automatically recognizes this product as portable disk.

PC CONNECTED 📟

• 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.

바탕 화면
내 문서
내 컴퓨터
로컬 디스크 (C:)
DVD/CD-RW 드라이브 (D:)
MemoQ(F:)

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

MemoQ (F:)
MUSIC — Saved Music File
VOICE
A
B — Saved Voice File
C
D

<Folder tree>

15. Browsing Folder and File

- The browsing function searches for the file, which can search for the file to play immediately even while playing.
- Pressing the MODE(PLAY) button while pausing or playing for more than 3 seconds, then switches to the BROWSE mode
- pushing the jog button to Previous (<) or Next (>) direction moves to the previous or next folder.
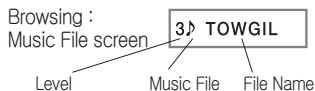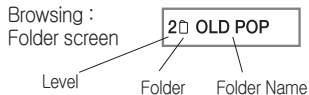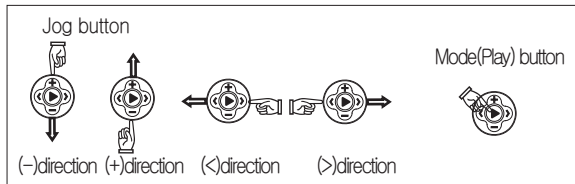- Pushing the jog button to the volume (+) or (-) direction searches for the folder and the music file within the selected folder.
- Pressing the MODE(PLAY) button plays the searched file and the BROWSE function is disabled.
- Pressing the MODE(PLAY) button for 3 seconds or longer disables the BROWSE function
- BROWSE function is divided by MUSIC and VOICE mode, it's possible in the next folder of MUSIC and VOICE (The level is displayed from Level 0 to Level 9).

⚠ 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.)

Previous/Next folder

Previous(<) ← →Next(>)
(jog button)

Move in the foler
(+)
(−)

```
⊟ 🗀 MUSIC
     🗀 CLASSIC
     🎵 조용필 - 빗속의 여인
     🎵 TOW GILS - So hot
⊟ 🗀 POP
     🗀 OLD POP
         🎵 TOW GILS 11- LOVE
         🎵 TOW GILS - ONE DAY
```

0 level
1 level
2 level
3 level

Browsing :
Folder screen

| 2🗀 OLD POP |

Level   Folder   Folder Name

Browsing :
Music File screen

| 3🎵 TOWGIL |

Level   Music File   File Name

14

16. Setting the Mode

- The mode setup sets erasing files, EQ (playing characteristics), repeated playing, microphone sensitivity, recording characteristics, LCD screen display, automatic sensitivity control, setting the ready-to-record, selecting the recording folder and setting the VOS(Voice Operation System).
- At the ready (stop) state, pushing the Jog button to the volume (+) direction for 3 seconds or longer switches to the mode selection
- Pushing the jog button to the volume (+) or (-) direction for selecting setting mode.
- Pressing the MODE(PLAY) button for 3 seconds or longer disables the mode setup function.

ERASE ☛ NO	— erasing files
EQ ☛ FLAT	— playing characteristics
REP ☛ OFF	— repeated playing
MIC ☛ NORMAL	— microphone sensitivity
MODE ☛ HQ	— recording characteristics
LOW CUT ☛ ON	— LCD screen display
LCD ☛ ON	— automatic sensitivity control
VOS ☛ OFF	— setting the ready-to-record
FOLD ☛ A	— selecting the recording folder
FORMAT ☛ NO	— setting the VOS
EXIT	— mode exit

(+)

(−)

Jog button

Mode(Play) button

(−)direction (+)direction (<)direction (>)direction

16-1. Erase (Deleting the file)

- Play the file to delete, and check its contents.
- Press the PLAY button again to pause.
- Pressing the jog button to the volume (+) direction for more than 3 seconds to switch to screen `ERASE ☒ NO` .
- Use Previous (<) or Next (>) jog button to select `ERASE □ YES` .
- When you press the MODE(PLAY) button, the screen for confirming to erase is displayed.
- If you select 'YES' and press the MODE button, `ERASING....` screen is   displayed and then disappeares, 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.

16-2. EQ 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 screen, press the MODE(PLAY) button to set the displayed mode

- When you press and hold the MODE(PLAY) button for 3 seconds or longer, the mode setting is stored 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 FLAT (EQ OFF) when playing the voice file.

16-3. REP(repeated playing) Setting

• 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.	A-R00001 NA ⟶ HQ
REP ☑ 1	Only the file displayed at the LCD is repeated to play	A-R00001 NA 1⟶ HQ
REP ☑ ALL	Repeat playing all files at the selected folder from "VOICE" or "MUSIC" folder	A-R00001 NA A⟶ HQ
REP ☑ FOLDER	Repeat playing the files only at the selected folder.	A-R00001 NA F⟶ HQ

• 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.

16-4. Setting the MIC(microphone) Sensitivity

• The microphone sensitivity can be selected as normal(4m) or high(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 ☐ NORMAL ⟷ MIC ☐ HIGH

• Pressing the MODE key at the selected screen to set the displayed distance.

MIC ☑ NORMAL

• 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.

16-5. Setting the (recording) Mode

- The recording mode can be set to long-playing (LP), high quality (HQ), extra high quality (XHQ) or CD quality(PCM) depending on the recording environment.
- PCM mode is optimal for the music recording, which can make a high quality of music file.
- At mode MODE ☑ HQ screen, use Previous (<) or Next (>) jog button to select the recording mode.

MODE □ LP → MODE □ HQ → MODE □ XHQ → MODE ☑ PCM

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

	Recording time by mode		
	MQ-D920(2G)	MQ-D940(4G)	MQ-D980(8G)
LP	about 288hr	about 576hr	about 1152hr
HQ	about 144hr	about 288hr	about 576hr
XHQ	about 36hr	about 72hr	about 144hr
PCM	about 6hr	about 12hr	about 24hr

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

16-6. Setting the LOW CUT Mode

- At screen, use Previous (<) or Next (>) jog button to select ON/OFF.

LOW CUT ☑ ON

LOW CUT □ ON → LOW CUT ☑ OFF

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

- LOW CUT function has cut low noise(ventilation fan, other machine sound) and has recording by cleaner tone quality

- LOW CUT function is suitable in voice recording.

16-7. Selecting the LCD

- LCD ☑ 60 At screen, use Previous (<) or Next (>) jog button to select ON, 3, 10, 30, 60 seconds
- Press the MODE(PLAY) at the selected screen to set as OFF(3, 10, 30, 60 seconds) or ON
- If LCD is selected screen as OFF (3, 10, 30, 60 seconds) when recording, LCD screen is OFF after setting time(3, 10, 30, 60 seconds) not using button.

  LCD ☑ 3   LCD ☑ 10   LCD ☑ 30   LCD ☑ 60

- If LCD is ON when recording , LCD is ON continuously.   LCD ☑ ON
- During LCD OFF, if press record button then the LCD is ON to confirm condition.
- Press record button again during LCD ON to stop recording
- When you press and hold the MODE(PLAY) button for 3 seconds or longer, the mode setting is saved and the mode setup function is disabled.

16-8. Setting the Voice Operation System(VOS)

- VOS ☑ ON At screen, use Previous (<) or Next (>) jog button to select ON or OFF.
- Pressing the MODE(PLAY) 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.

※ Battery service life does not increase

* The LCD OFF function is useful for hiding the recording operation and reduce electric cell exhaustion during recording and playing.

16-9. 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.
- `FOLD ☑ A` (folder A) screen, use Previous (<) or Next (>) jog button to select the folder.

  `FOLD □ A` → `FOLD □ B` → `FOLD ☑ C` → `FOLD □ D`
- Pressing the MODE(PLAY) 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.

16-10. 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.

- `FORMAT □ YES` At 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 `FORMAT ☑ NO` , formatting is cancelled.

⚠ 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.

16-11. Exiting from the mode setting

- At `EXIT` screen, press 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.

17. Using Ball-point Pen

• With catching main product and after combine turning ④(holder case) to right side, you can use it as ball-point pen.

Seperate

Combine

Main Product

>> Using as ball-point pen
Catching ④(Holder case) if turn ③(front case) to right and left, and then ball-point pen lead out or comes

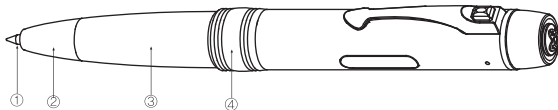**>> Exchange ball-point pen lead**
catch ③(Front case) and if is detached turning ②(ball-point pen lead exchangeable parts) to left , pull the ball-point pen lead to separate and take care so that may insert certainly by new one. Close ball-point pen lead exchangeable part to right.
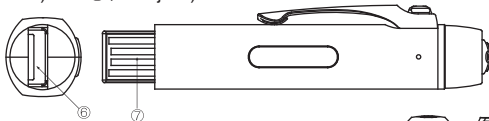
>> Size ball-point pen lead
Part No : 5799-236-510
Overall length : 51mm
Tel : A/S Center (02-2108-7493~4)

① ② ③ ④

18. Using Gender

• Listening and recording outside input by earphone combining Gender in main product
• Be careful when combine ⑦(USB terminal) and ⑥(USB jack) direction .

⑥   ⑦

18-1 Listening by Earphone

• Connect earphone to ⑤(earphone/microphone of Gender
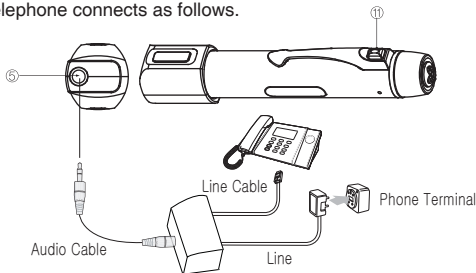 terminal) and can listen the recording contents and music.

⑤

18-2. By using Ear MIC and Recording Phone Call (option)

• Set the built-in MIC in ear, connect the plug to ⑤(earphone/microphone
  terminal of Gender) and put and speaks over telephone receiver or cellular
  phone in MIC side ear, and if press record button, currency contents are
  recorded.

18-3. By Using Land Line Phone Adaptor and Eecording Phone Call (option)

• Connect Audio cable to ⑤(earphone/microphone terminal), and other one to land line phone adaptor.
  Line cable of telephone connects as follows.

Line Cable

Phone Terminal

Audio Cable

Line

⚠ Caution
• Keyphone telephone can not become recording according to kinds of telephone.
• At PLAY mode, speaker sounds are possible when audio cable was detached.

• Press ⑪(record button) shortly to begin recording.
• If press ⑪(record button) again, recording stops and stored.
∗Separate audio cable in product if recording ended.

WARRANTY CARD

Product name	Digital voice recorder		
Model name			
Date of purchase			
Place of purchase			
Telephone number		Purchasing price	
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 such as fire, salt, flood, earthquake and etc.
- In case that the warranty period has been expired.

SPECIFICATIONS

Model Digital Voice Recorder		MQ-D920	MQ-D940	MQ-D980
Memory		2GB	4GB	8GB
Recording time	PCM	About 6 hours	About 12 hours	About 24 hours
	XHQ	About 36 hours	Abo ut 72 hours	About 144 hours
	HQ	About 144 hours	About 288 hours	About 576 hours
	LP	About 288 hours	About 576 hours	About 1152 hours
Continuous battery usage		Recording	About 6 hours	PCM,XHQmode
		Playing	About 7 hours	이어폰 재생시
Charging time		About 2 hours		
Available maximum output	Earphone	3.5mW+3.5mW/32 ohm		
	Speaker	450mW/8 ohm		
Dimension	Using Ball-point pen	L=145mm, Φ=15mm		
	Using gender	L=99mm, Φ=15mm		
Weight	Using Ball-point pen	34.5g		
	Using gender	26.0g		
Operating environment		0℃~40℃		
Accessories		Earphone, Owner's manual		

* Continuous battery time is based in LCD OFF 60 seconds.