MemoQ
MQ-L500 User's Manual
Digital Voice Recorder & Cellphone Portable Charger

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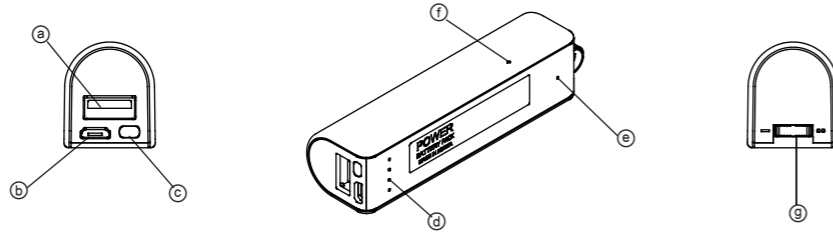Certification No.:
MSIP-REM-ESO-MQ-L500

Caution in use

Please be sure to read user's manual before use and use product safely and properly.

⚠ Warning - Do not leave product alone in high temperature more than 40 degrees like a car, or that can be the cause of explosion and fire.
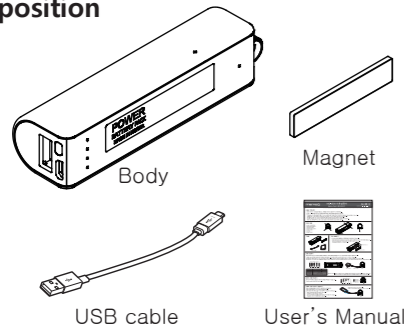
* The pictures in user's manual can be different from the real thing and contents can be changed without prior notice to improve performance.
* To use product with other devices, check the compatibility each other first.
* We are not responsible for the loss of recordings caused by misuse, after-sale service, others.
* We are not responsible for the damage caused by the use of product and for the third party's claim for compensation.
* Decomposition, remodeling, impact or usage at low temperature, high temperature, humid place can be the cause of breakdown.

Name of each part

ⓐ Charging terminal for external device
ⓑ Charging/USB terminal for body
ⓒ Battery button
ⓓ Battery remains LED
ⓔ Recording LED
ⓕ Microphone
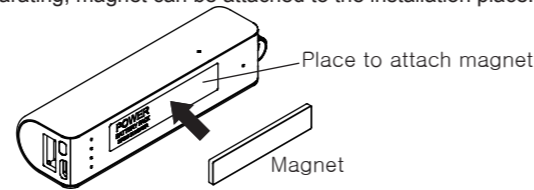ⓖ Recording switch

Composition

Body
Magnet
USB cable
User's Manual

Using magnet

You can install product easily by using magnet.

* Attach magnet on the groove of product and put product near steel desk, steel electronic appliances, etc. and product is attached.
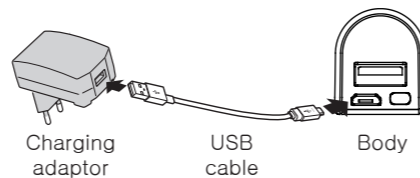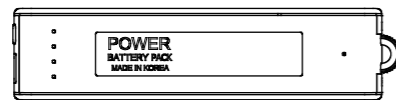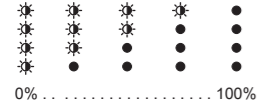* When you detach product in separating, magnet can be attached to the installation place. Detach magnet and keep it.

Place to attach magnet
Magnet

Charging body

After connectng USB cable to body charging terminal(ⓑ), charge it by connecting to the charging adaptor(option) or PC USB port.

* In charging by connecting product to PC with USB cable, in case of low power supply current, charging speed can be slow.
* During charging, product and charger can be a little hot. That is normal phenomenon and does not influence the life or function of product.
* During charging, like below picture, blinking LED is changed to lighting in order according to battery capacity. When charging is completed, all LED are turned on.

<Battery status during charging>

0% 100%

Battery type	Li-ion
Battery capacity	3,000mAh(3.7V)
Power input	DC 5V, 1A
Power output	DC 5V, 2A(Max)
Body charging time	AC/DC adaptor - about 3 hours, PC - about 5 hours

*Charging time condition :
 - AC/DC adaptor is data measured by using 5V/2A product.
 - PC is data measured by connecting USB cable to the USB port at the rear of PC.

Charging adaptor
USB cable
Body

Checking battery remains

You can check battery remains by pressing batteryr button(ⓒ).

* Battery remains is indicated for 20 seconds.
* If the battery remains indication is 『☀ ● 』, charge the battery
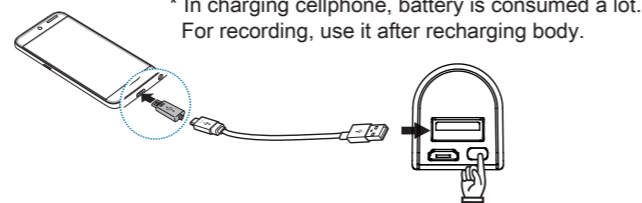
<Battery remains indication>

○ Lights-out(turned off)
☀ Blinking(flickering)
● Lighting(turned on)

Charge the battery . . 30% . . 60% . . 100%

Charging external device from body

After connecting USB cable to charging terminal for external device, connect the other end to the connector of external device.
Press battery button(ⓒ), and the charging of external device starts.

* When charging is completed, power is turned off automatically.
* This product is used as an auxiliary battery and the batteries of some devices can not be charged completely.
* During recording, it can not charge external device.

* In charging cellphone, battery is consumed a lot. For recording, use it after recharging body.
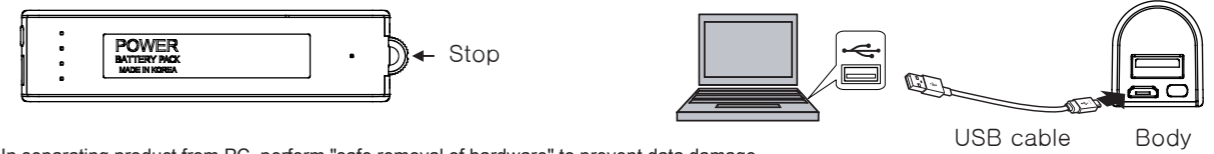

Formatting

* When you format MemoQ(removable disk), all data of product are deleted.

** Caution : It supports the format type of FAT32 only. If you change to other type, product does not work properly.
** Caution : Data deleted once can not be restored.

Connecting it to PC

After connecting USB cable to the USB terminal(ⓑ) of body, connect the other end to the USB port of PC.

* To use it on PC, keep recording switch(ⓖ) in the state of stop.
* You can use the functions of "copy, delete, playback, format" on PC in the same way as general USB memory.
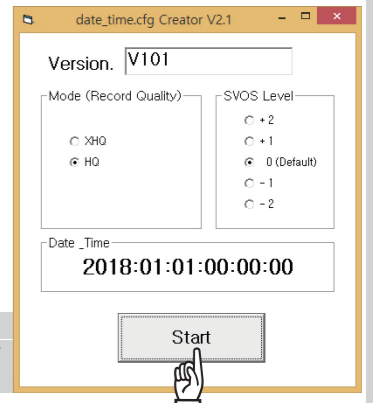* When it is connected to PC, "MemoQ(removable disk)" is created, double-click it, and there is the folder of VOICE.

← Stop
USB cable
Body

* In separating product from PC, perform "safe removal of hardware" to prevent data damage.

🕐 Time setting

1) After USB connection on PC, perform the program of 'Time Setup' saved in product by double-click, and the right window of "date_time.cfg Creator" appears.
2) Click the button of "Start" in the window of "date_time.cfg Creator", and file of "date_time.cfg" is created in product.
3) Separate product from PC, and recording LED(ⓔ) blinks rapidly and time setting is completed.
Caution-1. Date and time set in PC is set up automatically.
          (Time to click the button of Start is set up at the point of separating product.)
Caution-2. When battery is discharged, date is initialized.
          Before record, perform time setting again and use it.

Recording sound quality setting

* In Mode(Recording Quality) within right window of "date_time.cfg Creator", select XHQ or HQ and click the button of "Start", and setting is completed.

Memory		8GB	16GB	32GB
Recording time	XHQ(Super High Quality)	about 144hrs	about 288hrs	about 576hrs
	HQ(High Quality)	about 288hrs	about 576hrs	about 1152hrs

* Basic setting is "HQ".
* Recording time is the standard of memory capacity and is different from the hours of battery use (continuous recording time).

SVOS level setting

* You can set up the volume of sound to start recording in sound detection recording.
* In SVOS Level within right window of "date_time.cfg Creator", select one among "+2, +1, 0, -1, -2" and click the button of "Start", and setting is completed.
* Please change after testing according to place and situation.

SVOS Level				
-2	-1	0	+1	+2
(response to loud sound)	. . .	(basic setting)	. . .	(response to low sound)

* Basic setting is "0".

date_time.cfg Creator V2.1
Version. V101
Mode (Record Quality): XHQ, HQ
SVOS Level: +2, +1, 0 (Default), -1, -2
Date_Time: 2018:01:01:00:00:00
Start

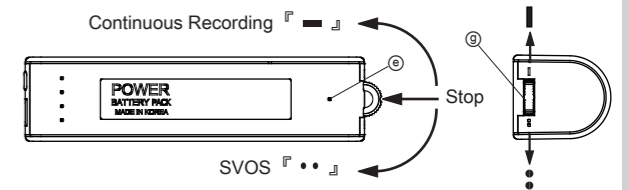## Recording (continuous recording / super voice operated system / recording by external power)

* When you turn recording switch(ⓖ) to the direction of 『▬ 』, **continuous recording starts** after about 5 seconds.
* When you turn recording switch(ⓖ) to the direction of 『•• 』, **super voice operated system(SVOS) starts** after about 5 seconds. In case of super voice operated system, if there is no sound for 1 minute during recording, it saves recording and is converted to standby mode and start recording again automatically when sound is detected. (Max recording standby time : about 150 days)
* When you move the slot of recording switch(ⓖ) to the center, recording stops and current recordings are saved. Recording file is saved in the folder of VOICE as a format of MP3.
* 『**Recording by external power**』 (refer to "charging body")
  When you connect it into PC or USB adaptor during recording, you can record for a long time. While you record for a long time, recording LED(ⓔ) blinks in the interval of 5 seconds and you can record up to the recording time per memory.

* In case of continuous recording, recording less than 5 hours is saved to one file and recording more than 5 hours is split and saved by the unit of 5 hours.
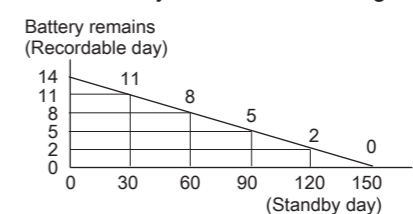* When recording files exceed 9,999, recording is not possible any more.

* We recommend continuous recording if you can control recording start and stop with voice recorder carried and we recommend SVOS recording when you install voice recorder in specific place and can not control recording start and stop.

Continuous Recording 『▬ 』
Stop
SVOS 『•• 』

Specifications

Model		MQ-L500		
Memory		8GB	16GB	32GB
Recording time	XHQ	about 144 hrs	about 288 hrs	about 576 hrs
	HQ	about 288 hrs	about 576 hrs	about 1152 hrs
Hours of battery use	XHQ	about 12 days		
	HQ	about 14 days		
Super Voice Operated System(SVOS)		Recording standby time : about 150 days		
		Basic setting level : about 60dB(A)		
Max number of recording files		9,999 files		
Dimension, Weight		93(W) x 27(H) x 23(D)mm, 75g		
Battery type		3.7V, Li-ion, 3,000mAh		
Usage environment		Temperature:0~ 40℃, Humidity:20~80%		
Accessory		USB cable, magnet, User's manual		

In SVOS, recordable day after standby time of no recording

Battery remains (Recordable day)
(Standby day)

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.

Warranty Card

Product name	Voice Recorder & Portable Charger
Model no.	MQ-L500
Purchasing date	
Purchasing place	
Tel.	
Etc.	
Warranty Period	1 year from purchasing date
Customer	Name	
	Address	
	Tel.	