MEMOQ
MQ-L500N User's manual
Powerbank & Digital voice recorder

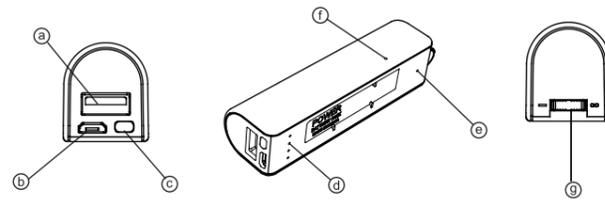CE FC K
MSIP-REM-ESO-MQ-L500

User guide

Cautions in use

※ Please be sure to read user's manual before use and use product safely and properly.
※ The pictures in user's manual can be different from the real thing and contents can be changed without prior notice to improve performance.
− Do not leave product alone in high temperature more than 40 degrees or direct sunlight for a long period of time.
− 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.
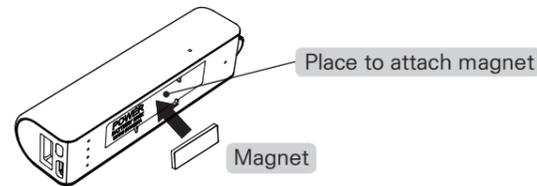
Composition

Main body   USB cable   Magnet   User's manual

Name of each part

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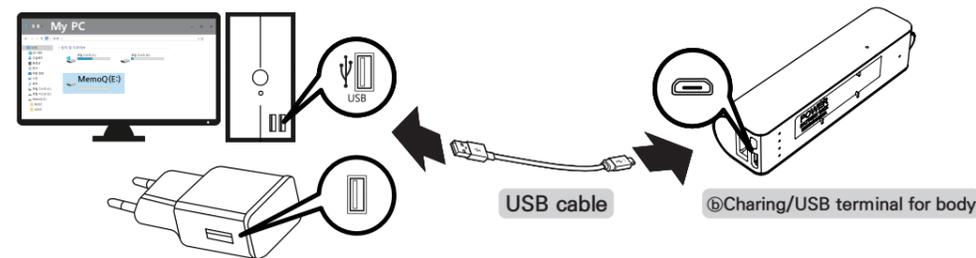ⓕ Microphone
ⓖ Recording switch

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.
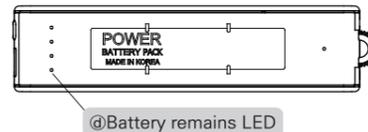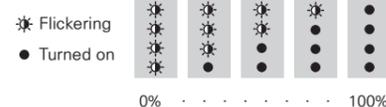

Place to attach magnet
Magnet

Charging body

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

⚠ 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.

My PC   MemoQ(E:)   USB
USB cable   ⓑCharing/USB terminal for body

− 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, Battery remains LEDⓓ is changed to lighting in order according to battery capacity. When charging is completed, all LED are turned on.
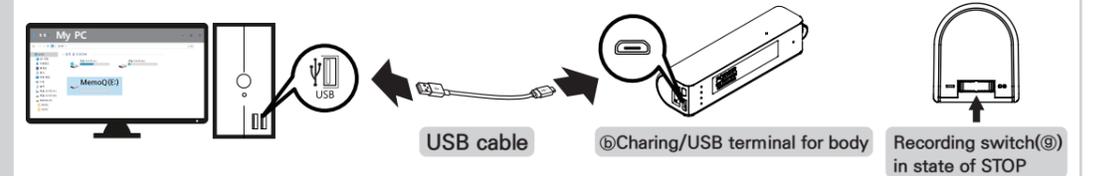
Battery remains LED during charging.

☀ Flickering
● Turned on

0% · · · · · · · · 100%

POWER BATTERY PACK MADE IN KOREA

ⓓBattery remains LED

Connecting it to PC

− After connecting USB cable to the USB terminal(ⓑ) of body, connect the other end to the USB port of PC.
− When this device is connected into the USB port of PC, it is recognized as a "Removable disk (MEMOQ)", and copy, movement, deletion, playback of file is possible.
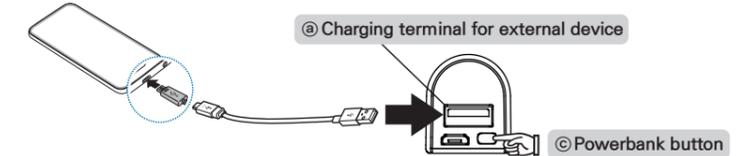
⚠ Caution : To connect it to PC, keep recording switch(ⓖ) in the state of STOP

My PC   MemoQ(E:)
USB cable   ⓑCharing/USB terminal for body   Recording switch(ⓖ) in state of STOP

⚠ Caution : When you separate product from PC, please be sure to perform "hardware safety removal". When you remove product from PC by force, fatal error on product can occur.
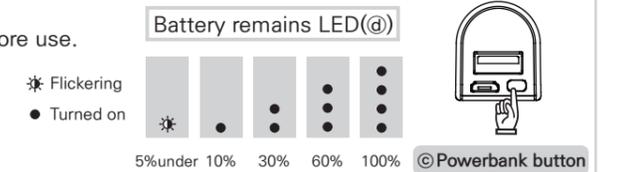
Charging external device from body

− After connecting USB cable to charging terminal for external device(ⓐ), connect the other end to the connector of external device.
− Press Powerbank buttonⓒ, and the charging of external device starts.
− During recording, it can not charge external device.

ⓐ Charging terminal for external device
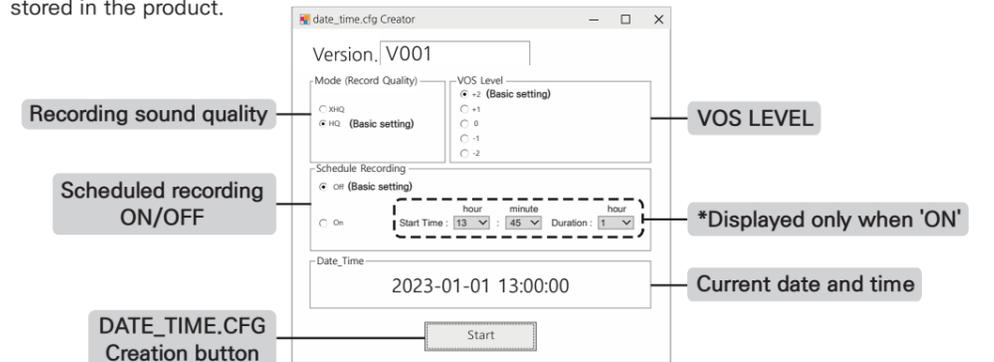ⓒ Powerbank button

Checking battery remains

− You can check battery remains by pressing Powerbank buttonⓒ.
− Battery remains is indicated for 5 seconds.
− If the remaining battery is low, charge it before use.

Battery remains LED(ⓓ)

☀ Flickering
● Turned on

5%under 10% 30% 60% 100%   ⓒPowerbank button

Time setting program

How to use time setting program

① After connecting the product's USB terminal to the PC's USB port, run the "TIME SETUP" program stored in the product.

date_time.cfg Creator

Version. V001

Recording sound quality ——
Mode (Record Quality)
○ XHQ
◉ HQ (Basic setting)

VOS Level
◉ +2 (Basic setting)
○ +1
○ 0
○ -1
○ -2
—— VOS LEVEL

Scheduled recording ON/OFF ——
Schedule Recording
◉ Off (Basic setting)
○ On
Start Time : 13 : 45   Duration : 1
—— *Displayed only when 'ON'

Date_Time
2023-01-01 13:00:00
—— Current date and time

DATE_TIME.CFG Creation button ——
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 differently, 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.
⚠ Caution : Time setting program only works on Window OS. (Doesn't work on macOS)

How to record

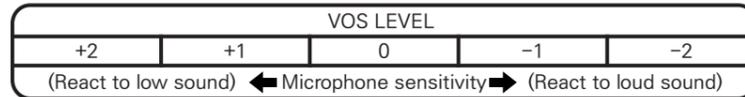## Detailed explanation of time setting program

1. MODE
– Recording sound quality setting.
· 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 LEVEL
– Set the volume required to start recording in SVOS recording state.
· +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.

3. Scheduled recording
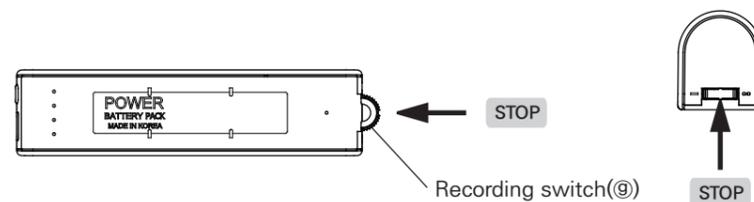– Recording starts automatically once a day at a set time

Schedule Recording
○ Off   Start Time : [13 ▾] : [45 ▾]   Duration : [1 ▾]
               hour   minute   hour
● On

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

⚠ Caution : If the date and time settings are not correct, scheduled recording may malfunction.
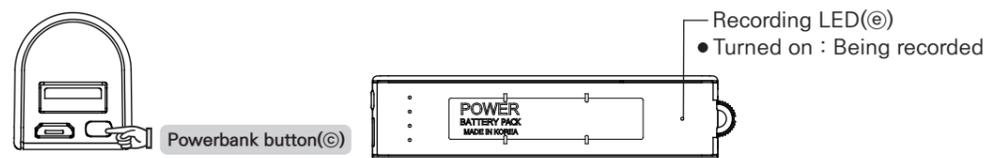
Recording

Scheduled recording
1. To perform scheduled recording, the Recording switch(ⓖ) must be in the STOP position.
2. Recording starts automatically at Start time(Time to start scheduled recording) once a day, and stops automatically after recording as mush as Duration(Time to continue scheduled recording).

POWER BATTERY PACK MADE IN KOREA ← STOP
Recording switch(ⓖ)
STOP

💡**Tip** : You can check the recording progress by pressing the Powerbank button(ⓒ).

Recording LED(ⓔ)
● Turned on : Being recorded
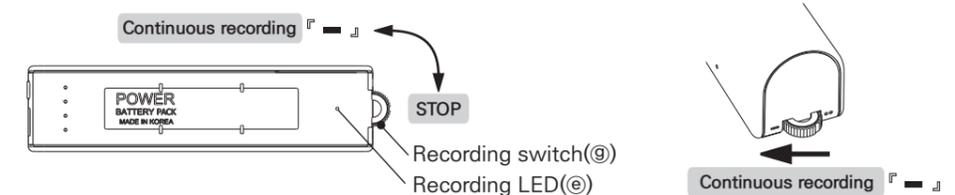Powerbank button(ⓒ)
POWER BATTERY PACK MADE IN KOREA

⚠ Caution : When scheduled recording starts, the Recording LED(ⓔ) is not displayed.
⚠ Caution : Scheduled recording does not start in continuous recording and SVOS status.
⚠ Caution : To force an in-progress scheduled recording to end, move the Recording switch(ⓖ) to continuous recording or SVOS and then move to STOP again.
⚠ Caution : When connected to the charging adapter(option) or PC USB port, scheduled recording in progress is stopped.
⚠ Caution : During recording, it can not charge external device.

Recording
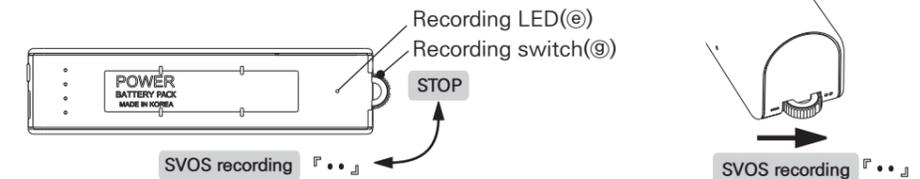
Continuous recording
1. When you turn Recording switch(ⓖ) the direction of 『 ▬ 』, after about 5 seconds, the Recording LED(ⓔ) lights up and continuous recording starts.
2. When you move the slot of Recording switch(ⓖ) to the STOP, recording stops and current recordings are saved.

Continuous recording 『 ▬ 』
POWER BATTERY PACK MADE IN KOREA   STOP
Recording switch(ⓖ)
Recording LED(ⓔ)
Continuous recording 『 ▬ 』 ←

SVOS recording
SVOS is a function that automatically starts recording when sound is detected and automatically stops when there is no sound. (Super Voice Operated System)
1. When you turn Recording switch(ⓖ) to the direction of 『 •• 』 , after about 5 seconds, the Recording LED(ⓔ) lights up and SVOS recording starts.
2. 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.

Recording LED(ⓔ)
Recording switch(ⓖ)
POWER BATTERY PACK MADE IN KOREA   STOP
SVOS recording 『 •• 』
SVOS recording 『 •• 』 →

💡**Tip** : You can set the required sound volume to start recording through the VOS LEVEL of the Time setting program.

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

– 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_2201011200 (YY/MM/DD/HH/MM) format, and the file names are classified according to Normal Recording (REC)/VOS Recording (VOS)/Scheduled Recording (SCHED).

예시)
  R-00001_2301011200_REC.MP3 (Normal recording)
  R-00001_2301011200_VOS.MP3 (VOS recording)
  R-00001_2301011200_SCHED.MP3 (Scheduled recording)

⚠ 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.

Specifications

Model	MQ-L500N	
Memory	16GB	32GB
Recording	XHQ	About 288 hours	About576 hours
Recording	HQ	About576 hours	About1152 hours
Hours of battery use	XHQ	About 12 days	
Hours of battery use	HQ	About 14 days	
SVOS	standby : about 150 days	
SVOS	Basic setting level : about 52~64dB(A)	
Max recording files	9,999 files	
Size, Weight	93(W) x 27 (H) x 23(D)mm, 75g	
Battery type	Li-ion	
Battery capacity	3,000mAh / 3.7V	
Rated input	Micro 5Pin : DC 5V / 1A	
Rated output	USB-A : DC 5V / 2A (MAX)	
Charging time	Charging adaptor : about 3 hours / PC : about 5 hours	
Usage environment	Temperature:0~40℃, Humidity:20~80%	
Component	Main body, Magnet, USB cable, Manual	

Warranty card

Product name	Voice recorder
Model No.	MQ-L500N
Purchasing Date	
Purchasing Place	
Telephone No	
Others	
Warranty period	1 Year

Customer	Name	
	Telephone	
	Address	

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.