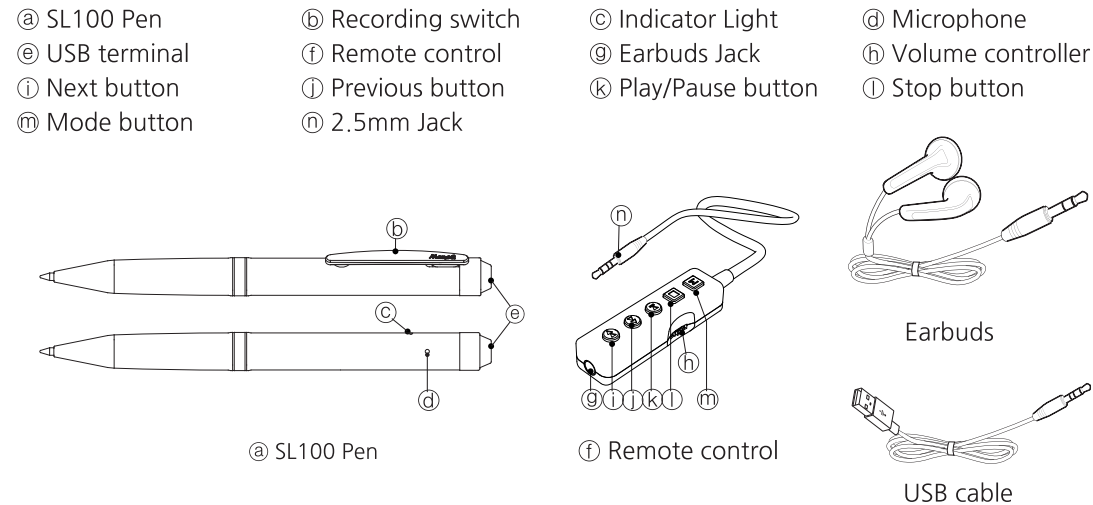


## Usage Cautions

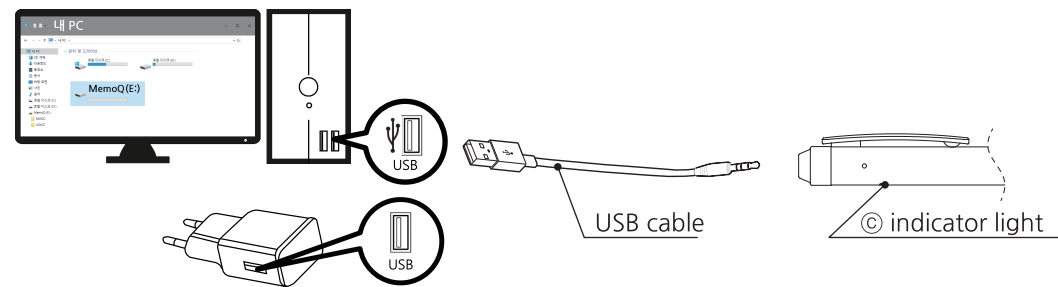
- RecorderGear is not responsible for lost recordings due to misuse, improper handling, or device malfunction.
- We are not liable for any damage or third-party claims resulting from how this product is used.
- Do not disassemble, modify, drop, or expose the device to extreme temperatures or humidity. This may cause permanent damage.
- To avoid losing important files, regularly back up your recordings to a computer.
- Product specifications and this manual may change without notice to improve performance or functionality.

## Device Overview



## Charging

- This device has a built-in rechargeable battery. Charge fully before first use. **Typical charging time: approximately 1 hour.**
  - To charge, connect the USB plug to a computer USB port or a certified USB wall adapter (optional). Charging begins automatically when plugged in.
- Important:** Always use a certified charger with an output of **DC 5V / 500mA or higher.** Using a faulty or underpowered adapter may damage the device and result in a paid repair.



- While charging, the **Operation Indicator Light** will cycle through colors to show battery level: **RED | BLUE | GREEN**
- Once charging is complete, the **GREEN light stays on.**

## Battery Level Indicator

You can check the battery level in two ways:

- **After unplugging** the device from a computer or charger, the **Operation Indicator** will light up for 5 seconds to show the current battery level.
  - **While using the remote**, press the **Mode** button briefly. The indicator light will display the battery status for 5 seconds.
- The light automatically turns off after 5 seconds.*

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

## Connecting to a PC (USB)

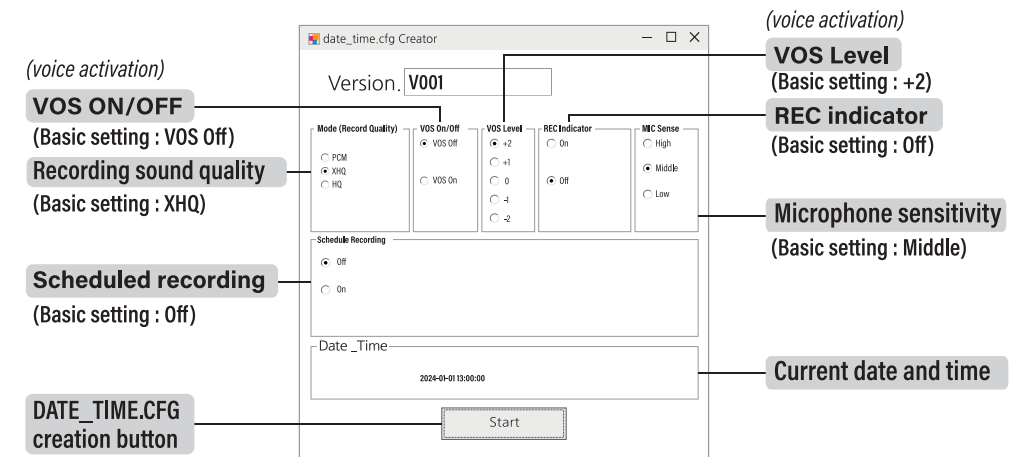
- To access your recordings, first set the **Recording Switch** to **STOP** and plug the device into your computer's USB port.
- It will appear as a **removable drive (labeled "MEMOQ")** on your computer.
- From there, you can copy, move, delete, or play files just like a regular USB flash drive.

For playback, use any standard media player on your computer that supports MP3 files.

- Always use the **"Safely Remove Hardware"** option before unplugging the device.
- **Do not forcefully disconnect** the recorder from your computer, as this may cause serious file errors or damage the device.

## Time & Settings Configuration (windows only)

- (1). Connect the device to your computer using the USB port. Locate and open the **TIME SETUP** program (preloaded on the device).



- (2). Confirm the current PC **date and time** displayed at the bottom. Click the **START** button to generate a **DATE\_TIME.CFG** file.
- (3). Once complete, **immediately unplug the device** to save the settings.

- The time displayed is based on your computer. If incorrect, check your PC's system clock.
- You must **disconnect the recorder immediately** after pressing **START** — any delay will result in a time error.
- If the device is not properly removed, settings will not be saved.

## Audio Quality

### 1. Recording Quality (MODE)

Choose your preferred recording sound quality:

**PCM** – Uncompressed audio (705 kbps / 44.1 kHz) | **XHQ** – Ultra high quality (128 kbps / 32 kHz) (default) | **HQ** – High quality (64 kbps / 16 kHz)

**Quick Tip:** Higher quality improves sound but uses more memory and battery.

### 2. Voice Activated Recording (VOS ON/OFF)

When VOS is ON, the recorder pauses during silence and resumes when sound is detected.

**VOS ON** – Auto-pause during quiet

**VOS OFF** – Continuous recording regardless of sound

**Quick Tip:** VOS saves memory and removes unnecessary silence.

**Caution:** Battery life remains the same with VOS ON or OFF.

**Warning:** In very quiet environments, VOS may miss important sounds. Use **VOS OFF** for critical recordings.

## Voice Activation

### 3. Voice Activation Sensitivity (VOS LEVEL)

Adjust how sensitive the recorder is when detecting sound in VOS mode:

• **+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)

**Quick Tip:** Test different settings based on your environment (quiet vs. noisy).

## Indicator Light

### 4. REC Indicator Light (turn on/off using windows program)

Choose whether the red recording LED flashes while recording:

**ON** – LED blinks every 3 seconds during recording


**OFF** – No LED while recording (stealth mode)

## Mic Sensitivity

## Scheduled Recording

### 5. Microphone Sensitivity (MIC Sense)

Adjust mic sensitivity based on sound volume in the environment: **High** – For soft or distant voices | **Middle** – Default setting | **Low** – For loud voices or close-up recording.

 **Quick Tip:** Start with “Middle” and adjust after testing your environment.

### 6. Scheduled Recording

You can set the recorder to automatically start and stop recording at a specific time each day.

• **Schedule Mode:** ON / OFF

• **Start Time:** The exact time (hour & minute, 24-hour format) when recording should begin

• **Duration:** Choose how long the recording lasts — 1, 2, 5, 10, or 20 hours

Schedule Recording		hour	minute
<input type="radio"/> Off	Start Time :	13	45
<input type="radio"/> On	Duration :	1	

 **Note:** Scheduled recording can only be used when the Recording Switch is in the STOP position.

Once scheduled, the recorder will:

(1.) Automatically begin recording at the start time (2.) Automatically stop after the selected duration

### Usage Warnings

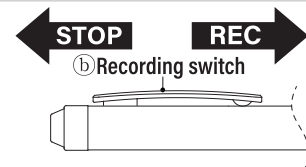
- **PCM mode is not supported** during scheduled recordings. **VOS mode is also disabled** while scheduled recording is active
- **Recording will NOT begin** if the date and time on the device are incorrect
- **The indicator light will NOT blink** when scheduled recording begins — the process is silent
- **If plugged into a computer or charging adapter**, scheduled recording will pause or fail
- **Recording will not start or continue** while charging or in USB data mode

### Tips for Using Scheduled Recording

- To check if recording has started, **briefly press the remote's button** — the LED will show the status for 5 seconds
- Each scheduled session is saved as a **single recording file**, based on the duration you set
- To **manually stop a scheduled recording early**: Slide the recording switch from STOP | REC | STOP

## Scheduled Recording


## Recording



### Start Recording

- Slide the **Recording Switch** to the **REC** position. The recording will begin after about 5 seconds.
- When recording starts, the **Operation Indicator** will show a **solid red LED for 5 seconds**.

 **Quick Tip:** You can monitor the live recording using the remote control and earphones.

 **If the battery is low or memory is full**, the red LED will **blink 5 times** and recording will not start.




### Stop Recording

- Slide the **Recording Switch** back to **STOP** • The recording will be saved and the device will power off • The **red LED will blink 3 times** to confirm the recording has ended.


### File Creation & Naming

Each recording is saved sequentially in the Voice folder (starting from R-00001) • You can store up to **9,999 recordings**.

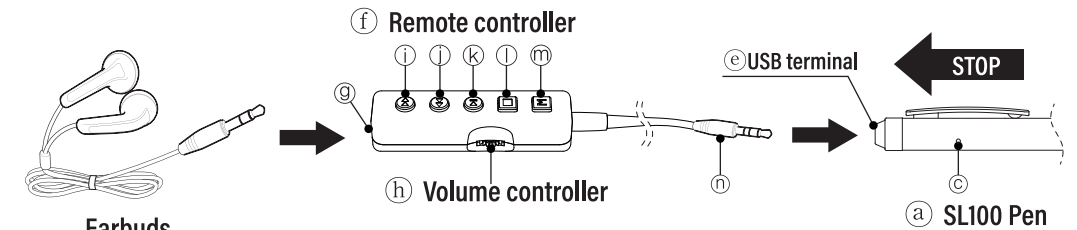
**File names follow this format:** R-00001\_YYMMDDHHMM\_MODE.MP3

Ex)  R-00001\_2401011200\_REC.MP3 (Normal recording)  
 R-00001\_2401011200\_VOS.MP3 (VOS recording)  
 R-00001\_2401011200\_SCHED.MP3 (Scheduled recording)


 **File Splitting Behavior:** In **Continuous Recording (REC)** mode, the recorder will automatically split the file every 5 hours. In **VOS mode**, recordings are split into new files every **1 hour**.

 **Battery Warning:** If the battery is fully drained, the date and time will reset to **00:00 on January 01**. Please **reconfigure the date and time** after recharging the device.



## Playing Back Recordings (Using Remote Control)



### How to Start Playback

- Plug your earphones into the (g) **remote control**, then connect the (n) **remote's jack** to the recorder's (e) **USB terminal**.
- Press and hold the (k) **Play/Pause** () button on the remote for **5 seconds** • The (c) **Operation Indicator** will blink **blue** • A short **beep** will sound • Playback will begin


### Playback Controls

- **Pause/Resume:** Press the (k) **Play/Pause** () button briefly to pause playback • Press it again to resume.
- **Stop Playback:** Press the (i) **STOP** () button. The (c) **blue LED** will stop blinking and playback will end.

### Auto Power Off



- If the (f) remote controller is **disconnected** during playback or standby, the device will shut down automatically. If no buttons are pressed for **1 minute** in standby mode, the device will also power off to save battery.

 **Playback is not available during recording.**


 **Quick Tip:** For long recordings, use your **PC** for easier playback and navigation.


## Navigating Between Files


### During Playback

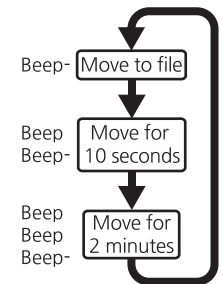
- **Previous Button** (): Press to either, Jump to the **previous file**, or Skip **backward** by 10 seconds or 2 minutes (depends on your settings)
- **Next Button** (): Press to either, Jump to the **next file**, or Skip **forward** by 10 seconds or 2 minutes (depends on your settings)

### While in Standby

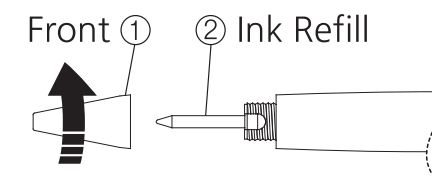
**Hold the Previous Button** (): Jumps to the first recording file and starts playback

**Hold the Next Button** (): Jumps to the last recording file and starts playback

 **Quick Tip:** Press the (m) **Mode button** briefly during playback to change how far the recorder skips when using the previous/next buttons (e.g. 10 seconds or 2 minutes).



## Replacing the Pen Refill



**Twist the front section** of the pen counterclockwise to unscrew it.

**Pull out the used ink refill** from the center of the pen.

**Insert a new refill** into the same opening. Reattach the front section by turning it clockwise until secure.

## Specification

Model		SL100	
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%	
Included		User manual, Earbuds, Remote controller, USB cable, Ball pen lead	

## Warranty

Product name	SL100 Voice Recorder Pen	
Model No.	SL100	
Purchasing date		
Purchasing place		
Telephone no.		
Etc.		
Warranty period	1 year	
Customer	Name	
	Address	
	Telephone	

## Not Covered Under Warranty

**The following issues are not covered by the warranty:**

- Damage caused by misuse, dropping, or careless handling
- Any modification or disassembly performed by the user
- Damage resulting from natural disasters (e.g., fire, flooding, salt exposure, earthquakes)
- Issues that occur **after the warranty period has expired**
- Cases where **replacement parts** are required due to wear or damage