H1 XLR
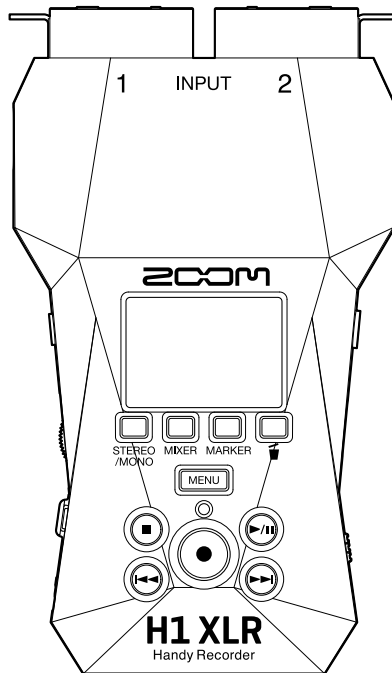## Handy Recorder

Operation Manual

You must read the Usage and Safety Precautions before use.

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Notes about this Operation Manual

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Contents

H1 XLR overview

Achieving high audio quality throughout recording and editing

With dual A/D converter circuits and support for 32-bit float WAV files, the H1 XLR can maintain the highest audio quality from recording through editing in a DAW or other software.

Recording

Dual A/D converter circuits enable recording both loud and quiet sounds without making gain adjustments.

Editing with DAWs and other software

Since files are recorded using 32-bit float WAV format, audio quality can be retained when editing.

Dual A/D converter circuit overview

For each input circuit, the H1 XLR has two A/D converters with different input gains. This design enables high-quality audio recording without the need to adjust gain settings, a step that is normally indispensable.

Providing amazing dynamic range

By combining two A/D converters, a wide dynamic range not possible with a single A/D converter has been realized.

Conventional equipment	Dual AD converters

· Airplane
· Nearby thunder
· Train passing on tracks overhead

**Low-gain
AD converter**

· Inside train
· Shouting
· Grand piano

**AD converter
switches in
response to
input level**

· Noisy street
· Chimes
· Ordinary conversation

**High-gain
AD converter**

· Whispering
· Quiet library
· Late night in suburb

**Input gain adjusted to
desired recording volume**

**Wide dynamic range covered
by two AD converters**

Switching between two A/D converters

The H1 XLR constantly monitors data from the two A/D converters, and automatically selects the one that provides the best recording results.

**Low noise
because high-gain
AD converter selected**   **No clipping
because low-gain
AD converter selected**   **Low noise
because high-gain
AD converter selected**
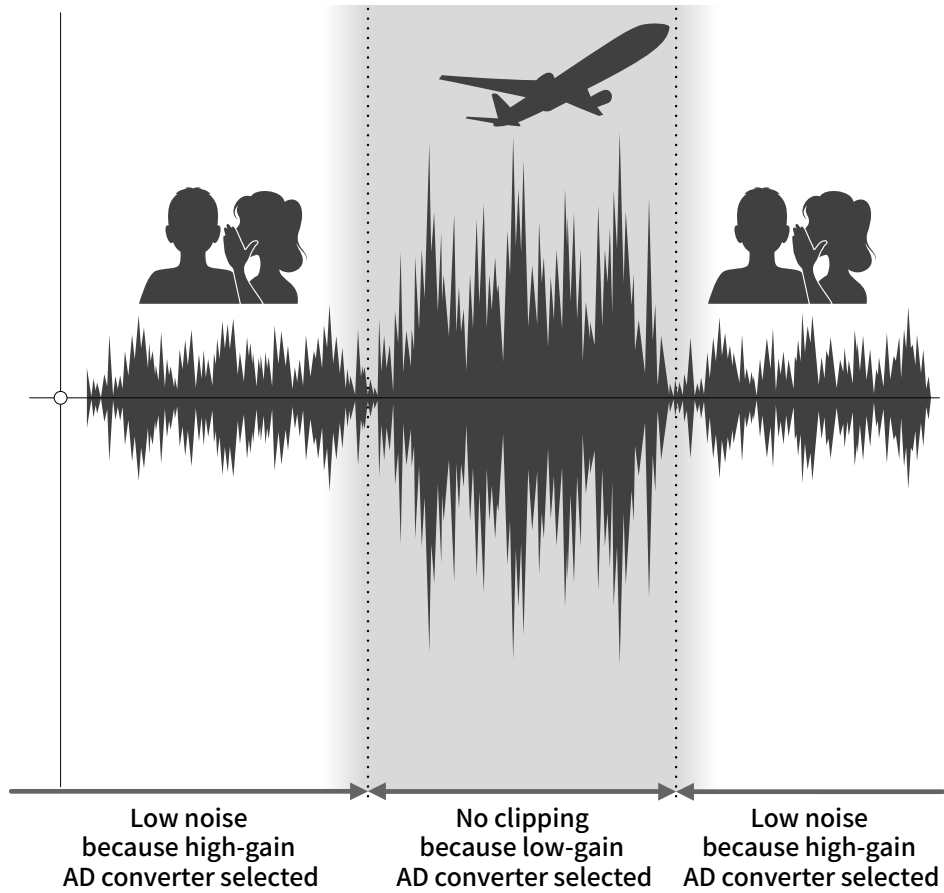
32-bit float WAV file overview

32-bit float WAV files have the following advantages over conventional 16/24-bit WAV files.
Due to these advantages, the audio quality of recording can be maintained afterward when editing in a DAW or other software.

Resolution advantage

32-bit float WAV files have the advantage of being able to maintain high resolution even at low volumes. As a result, quiet sounds can be made louder when editing after recording without degrading their quality.

■ 16/24-bit WAV

Volume raised   Resolution is low

■ 32-bit float WAV

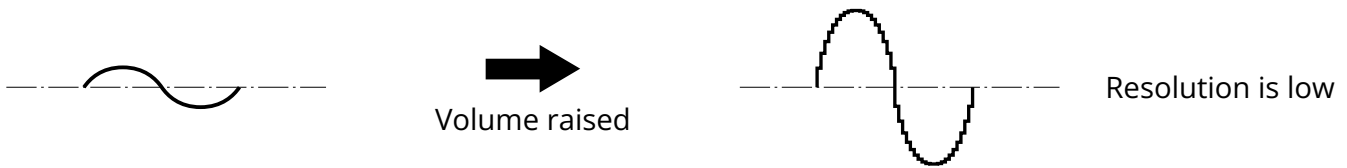Volume raised   Resolution is high
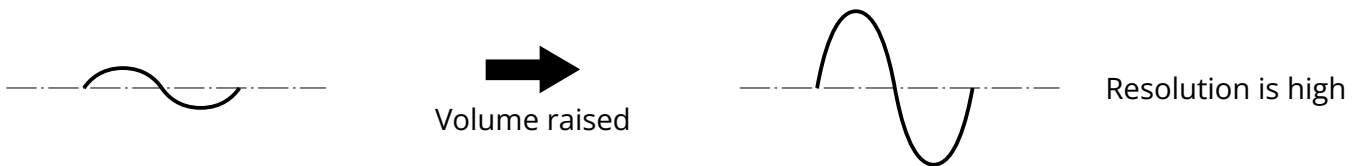
Clipping advantage

If a waveform sounds clipped when output from the H1 XLR or in a DAW, it can be edited after recording to lower its volume and restore an unclipped waveform because the data in the 32-bit float WAV file itself is not clipped.

■ 16/24-bit WAV

Clipped recording   Still clipped

Volume lowered

■ 32-bit float WAV

Clipped recording   Not clipped

Volume lowered

9

Functions of parts

Top and bottom

■ Top

■ Bottom

❶ Display
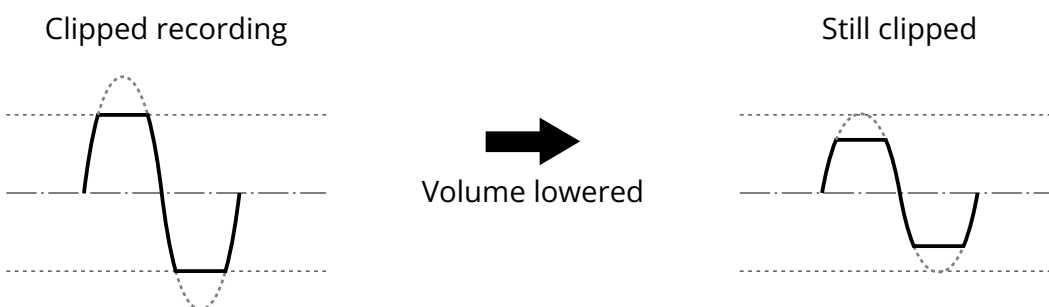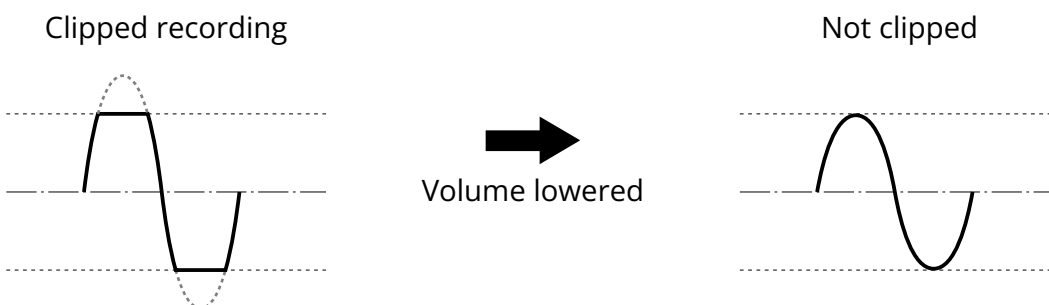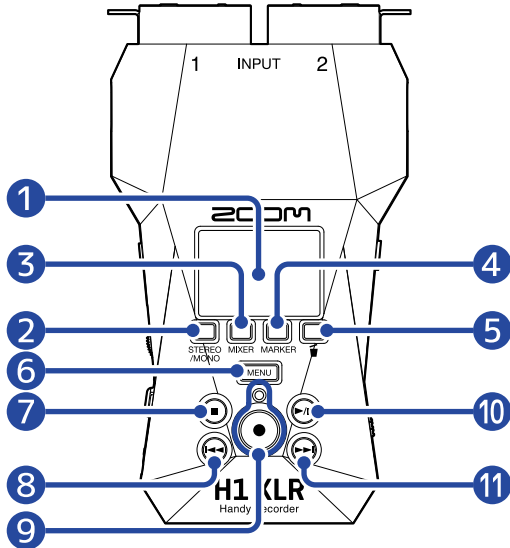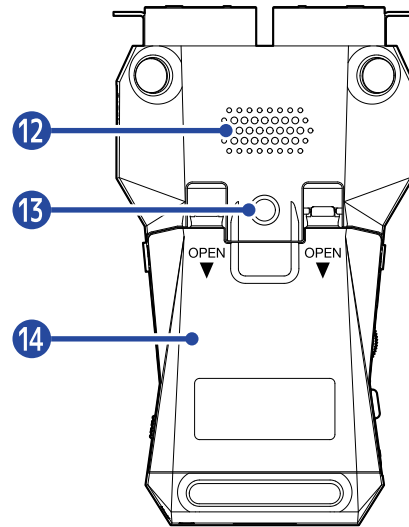This shows various types of information.

❷ STEREO/MONO button (operation button 1)
When the Home Screen is open, use this to change the audio recording format to STEREO, MONO×2 or MONO (INPUT 1).
When any screen other than the Home Screen is open, this has the function of the icon shown at the bottom of the display. (→ Using operation buttons 1–4)

❸ MIXER button (operation button 2)
When the Home Screen is open, this opens the Mixer Screen.
When any screen other than the Home Screen is open, this has the function of the icon shown at the bottom of the display. (→ Using operation buttons 1–4)

❹ MARKER button (operation button 3)
When the Home Screen is open, this adds a mark to the recording.
When any screen other than the Home Screen is open, this has the function of the icon shown at the bottom of the display. (→ Using operation buttons 1–4)

❺ Trash button (operation button 4)
When the Home Screen is open, this moves the recorded file to the trash.
When the Playback Screen is open, this moves the playing file to the trash.
When any screen other than the Home Screen or Playback Screen is open, this has the function of the icon shown at the bottom of the display. (→ Using operation buttons 1–4)

❻ MENU button
Press this to open the Menu Screen.

When the Menu Screen is open, this returns to the Home Screen.

When the Playback Options Screen is open, this returns to the Playback Screen.

7 STOP button

When the Home Screen is open, pressing and holding this will show the current time and the next file. When recording, this will stop recording.

When the Playback Screen is open, this stops playback. Pressing this again when stopped will return to the Home Screen (from most screens).

8 REW button

This moves to the beginning of the file.

If pressed near the beginning of a file, this will open the File List Screen where files can be selected. (→ Selecting files for playback (File List Screen))

If there are marks between the current playback position and the beginning, this will move to the nearest mark.

Press and hold to search backward.

9 REC button and indicator

This starts and stops recording.

The indicator lights during recording.

10 PLAY/PAUSE button

This starts and pauses playback.

When the File List Screen is open, this opens the Playback Screen for the selected file.

11 FF button

This opens the File List Screen where files can be selected. (→ Selecting files for playback (File List Screen))

If there are marks between the current playback position and the end, this will move to the nearest mark.

When playing back or paused, this moves to the next mark. If there is no mark, this opens the File List Screen.

Press and hold to search forward.

12 Speaker

Sound is output here during file playback.

If headphones are connected to the PHONE/LINE OUT jack, sound will not be output from the speaker.

13 Tripod mounting threads

This can be used to attach the H1 XLR to a tripod, for example.

14 Battery cover

Open this when installing or removing AA batteries. (→ Installing batteries)

■ Using operation buttons 1–4

When operation icons appear at the bottom of the display, including on the Menu Screen, Playback Screen, and Playback Options Screen, press the operation keys directly below them to select or confirm items on that screen.

■ Menu Screen example
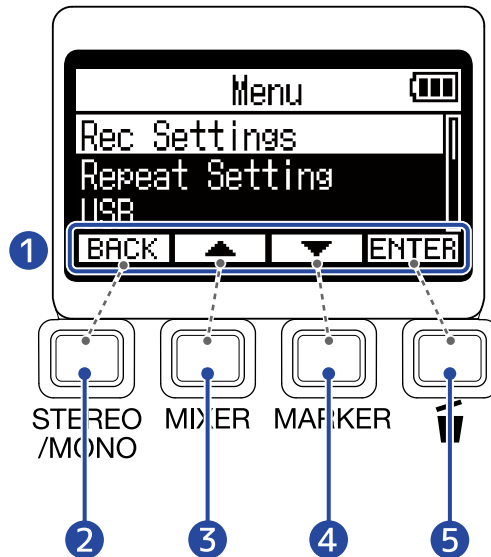
1 Operation icons shown on screen
The icons shown depend on the screen.

2 Operation button 1 (BACK) (STEREO/MONO)
This returns to the previous screen.

3 Operation button 2 (▲) (MIXER)
This selects the item above.

4 Operation button 3 (▼) (MARKER)
This selects the item below.

5 Operation button 4 (ENTER) (Trash)
This confirms the selected item.

Other operation icons will appear. They are explained in the procedures for each item.

## ■ Note about the abbreviation of procedures in this operation manual

In this operation manual, procedures that include pressing operation buttons to conduct operations use icons and are abbreviated as follows.
Example: Use the operation buttons that correspond to ▲ (select above button) and ▼ (selected below button) to select "Rec Settings". Then, use the operation button that corresponds to ENTER (ENTER) to confirm the selected item.
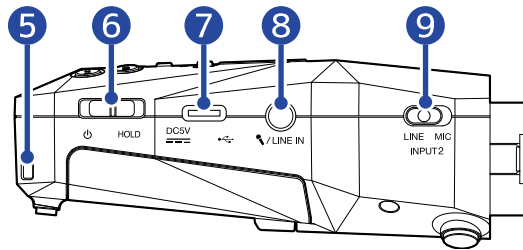This becomes: "Use ▲ (operation button 2) / ▼ (operation button 3) to select 'Rec Settings' and press ENTER (operation button 4) to confirm."

# Left and right sides

■ Left side
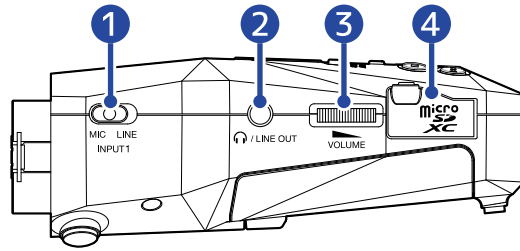
■ Right side

❶ Input level switch (MIC/LINE)
Set this to "MIC" when connecting a mic to INPUT 1 and to "LINE" when connecting a line level device.

❷ PHONE/LINE OUT jack
Use this stereo mini jack to output sound to headphones or a connected device.

❸ VOLUME
This adjusts the output to the built-in speaker, headphones or connected device.

❹ microSD card slot
Insert a microSD card here.

❺ Strap hole
Use this to attach a strap.

❻ POWER/HOLD switch
Use this to turn the power on/off and to disable button operation.

❼ USB port (Type-C)
Connect this to a computer, smartphone or tablet to use file transfer functions and to use the H1 XLR as an audio interface.
This supports operation on USB bus power.

❽ MIC/LINE IN jack (supports plug-in power)
A connected mic can be used to record.
Mics that require plug-in power can be used with this jack.

❾ Input level switch (MIC/LINE)
Set this to "MIC" when connecting a mic to INPUT 2 and to "LINE" when connecting a line level device.

Back

■ Back
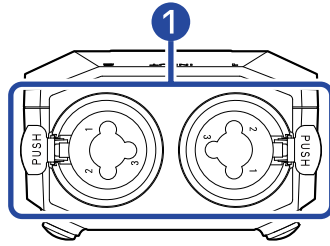
1 INPUT 1 and 2 jacks

Connect mics and instruments to these. These can be used with XLR and TRS plugs.

When disconnecting an XLR plug, pull it while pushing the connector lock release button.


Lock release button

PUSH

2   1
    1: GND
    2: HOT
3   3: COLD

XLR

TIP: HOT
RING: COLD
SLEEVE: GND

TRS
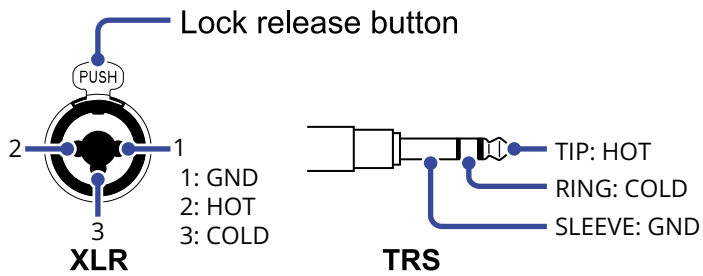
Overview of screens that appear

In this section, we explain the screens shown on the display of the H1 XLR.

Home Screen

This screen appears on the display when the H1 XLR power is turned on. This shows the state of the H1 XLR, including recording status and input signal waveforms.
When recording starts, the name of the file being recorded is shown at the top of the screen.
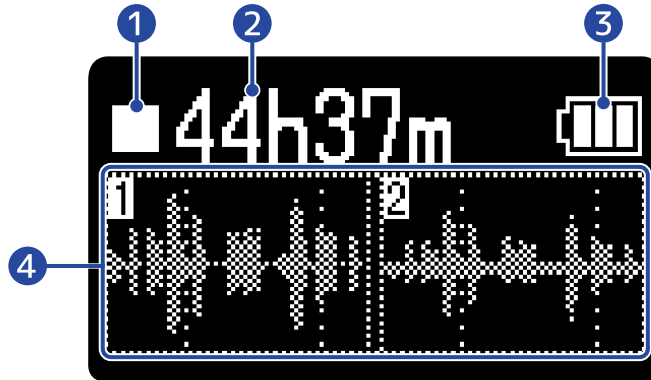
1. **Status icon**
   The recording status is shown by an icon.
   - ☐ Stopped
   - ▮▮ Paused
   - ● Recording

2. **Available recording time / recorded time**
   This shows the available recording time when recording is paused and the current elapsed recording time when recording.

3. **Remaining battery charge**
   This is shown when operating on batteries. When the remaining battery charge becomes low, replace the batteries (→ Installing batteries) or connect an AC adapter (→ Connecting an AC adapter) or portable battery (→ Using other power sources).

   Full ◀——————▶ Empty

4. **Waveform display**
   This shows the waveforms of signals input into the H1 XLR.
   The waveforms shown depend on the STEREO/MONO setting. (→ Changing the stereo/mono setting)
   - When "MONO×2" is selected, waveforms for INPUT 1 and 2 will be shown.
   - When "STEREO" is selected, waveforms for the L and R channels will be shown.
   - When "MONO (INPUT 1)" is selected, the waveform for INPUT 1 will be shown.

When an external mic, for example, is connected to the MIC/LINE input jack, the MONO (L) waveform will be shown.

HINT

When a screen other than the Home Screen is open, press 〔MENU〕 (MENU button) to return to the Home Screen. This function is useful when you want to return to the Home Screen quickly from various setting screens. (Moving to the Home Screen is not possible from some screens.)

Playback Screen

When the Home Screen is open, pressing ▶/⏸ (PLAY/PAUSE button) to start playback will open this screen on the display.
This shows playback conditions of the selected file, including the playback time and waveform.
When playback starts, the name of the file being played is shown at the top of the screen.
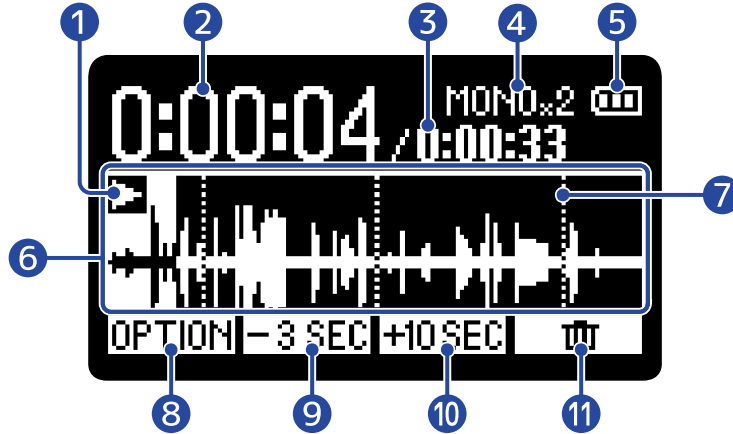
1 Status icon

The playback status is shown by an icon.

- ▶ Playing back

- ⏸ Paused

- ◀ Searching backward

- ▶ Searching forward

2 Playback time

This shows the elapsed time since the start of playback.

3 File length

This shows the length of the file currently playing.

4 Stereo/mono indicator

This will show the STEREO/MONO setting used to record the file: "MONO×2", "STEREO", or "MONO" (if "MONO (INPUT 1)" was selected). (→ Changing the stereo/mono setting)

5 Remaining battery charge

This is shown when operating on batteries. When the remaining battery charge becomes low, replace the batteries (→ Installing batteries) or connect an AC adapter (→ Connecting an AC adapter) or portable battery (→ Using other power sources).

Full ◀━━━━━━▶ Empty
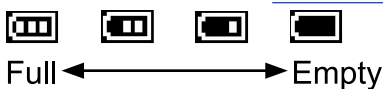
6 Waveform display

This shows the waveform of the file being played. The colors are reversed for the part of the waveform that has already been played.

The positions of marks can also be checked. (→ Adding marks during recording, Adding/deleting marks in recorded files)

7 Mark bar

This shows a mark added to the file being played back.

8 `OPTION` (Operation button 1)

This opens the Playback Options Screen where the following can be done.

- Optimizing file volume (normalization)
- Changing the file format and exporting files
- Adding/deleting marks in recorded files
- Repeating playback of a set interval (A-B repeat)
- Changing the playback speed
- Checking file information
- Moving the file being played to the Trash folder

9 `-3 SEC` (Operation button 2)

This moves the file playback position back 3 seconds.

10 `+10 SEC` (Operation button 3)

This moves the file playback position forward 10 seconds.

11 `🗑` (Operation button 4)

Use this to move the file being played to the Trash folder. (→ Moving the file being played to the Trash folder)

HINT

Press ⏹ (STOP button) when playback is stopped to return to the Home Screen.

Playback Options Screen

Use this screen to make settings related to playback.

When the Playback Screen is open, press [OPTION] (Operation button 1) to open this.

1 File/option name

This shows the name of the selected file.

This shows the playback option when one is selected.

**2** Playback option items

This shows setting items and setting values, for example.

3 Operation icons

Press operation buttons below the corresponding operation icons on the display to select option items and confirm selected items. (→ Using operation buttons 1–4)

4 Remaining battery charge

This is shown when operating on batteries. When the remaining battery charge becomes low, replace the batteries (→ Installing batteries) or connect an AC adapter (→ Connecting an AC adapter) or portable battery (→ Using other power sources).

Full ◄──────► Empty
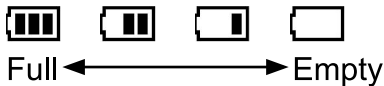
5 Scrollbar

This will appear when a list has more items than will fit on the display.

HINT

Press [MENU] (MENU button) to return to the Playback Screen.

Mixer Screen

When the Home Screen is open, press ⬚ (MIXER button) to open this.

Use this to adjust the mix of the input sounds.
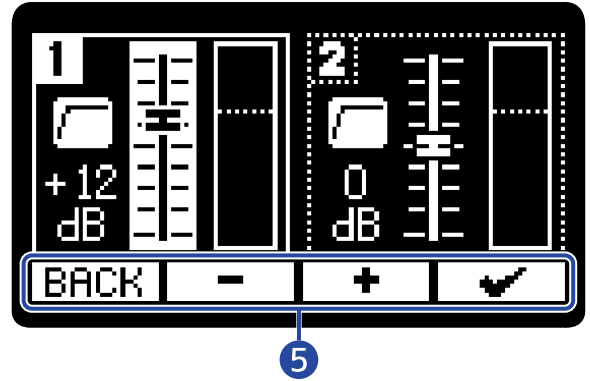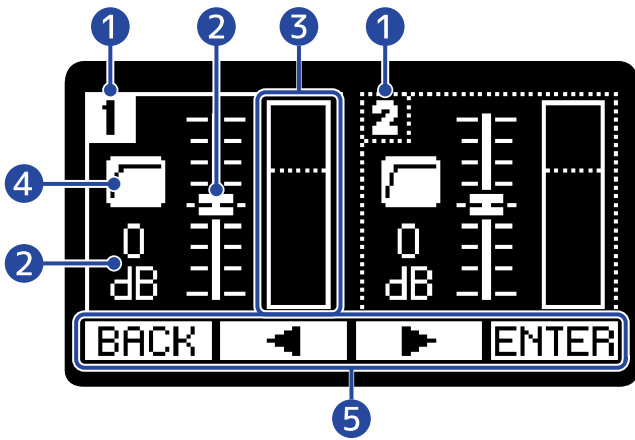
1 Track
This shows the track being adjusted.
Either track 1 or 2 can be selected only when the STEREO/MONO setting is "MONO×2".

2 Fader
Use this to adjust the input volume.

3 Level meter
The level meters show the levels for each track.

4 Low cut icon
This is shown when low cut is set. (→ Reducing noise (Lo Cut))

5 Operation icons
Press the operation buttons below the corresponding operation icons on the display to select tracks, adjust levels and confirm settings. (→ Using operation buttons 1–4)

Menu Screen

Make recording, input, output, system and repeat playback settings, as well as use USB functions and manage SD cards on this screen.

When the Home Screen is open, press ⌷MENU⌷ (MENU button) to open this.
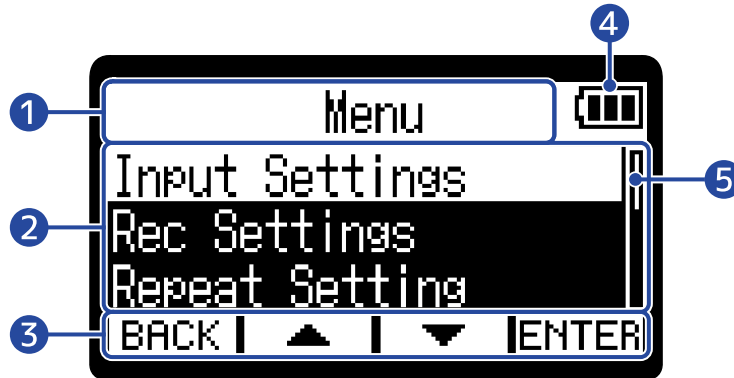
1 Menu title

2 Menu items

This shows setting items and setting values, for example.

3 Operation icons

Press operation buttons below the corresponding operation icons on the display to select menu items and confirm selected items. (→ Using operation buttons 1–4)

4 Remaining battery charge

This is shown when operating on batteries. When the remaining battery charge becomes low, replace the batteries (→ Installing batteries) or connect an AC adapter (→ Connecting an AC adapter) or portable battery (→ Using other power sources).

Full ◄──────► Empty
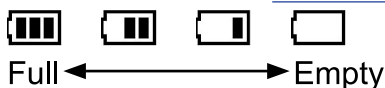
5 Scrollbar

This will appear when a list has more items than will fit on the display.

HINT

When the Menu Screen is open, press ⌷MENU⌷ (MENU button) to return to the Home Screen. This function is useful when you want to return to the Home Screen quickly from various setting screens. (Moving to the Home Screen is not possible from some screens.)

Recording process

Recording follows the process shown below.

Preparation before recording	• Load a microSD card (→ Inserting microSD cards) • Prepare the power (→ Installing batteries, Connecting an AC adapter) • Connect mics, for example, to inputs (→ Connecting input devices) • Turn the power on (→ Turning the power on) • Make settings related to input (→ Making input settings) • Make settings related to recording (→ Making recording settings)
Recording	• Press ⦿ (REC button) to start recording and press ⦿ (REC button) or ⬛ (STOP button) to stop recording (→ Recording)
Playing back and reviewing	• Press ▶/❙❙ (PLAY/ PAUSE button) to start playback and press ⬛ (STOP button) to stop (→ Playing recordings)

Making preparations

Inserting microSD cards

1. When the power is off, open the microSD card slot cover. Then, insert a microSD card with the logo facing down all the way into the slot.
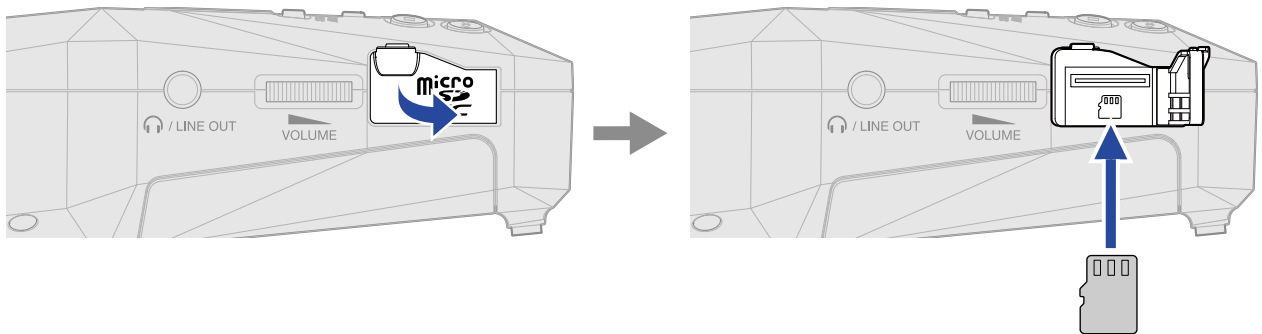
To remove a microSD card, push it further into the slot and then pull it out.

2. Close the microSD card slot cover.

> **NOTE**
> - Always make certain that the power is off when inserting or removing a microSD card. Inserting or removing a card while the power is on could result in data loss.
> - When inserting a microSD card, be sure to insert the correct end with the top side up.
> - Recording and playback are not possible when a microSD card is not loaded in the H1 XLR.
> - Always format microSD cards in order to maximize their performance after purchasing them new or using them with a different device. (→ Formatting microSD cards)
> - A message will open when a card that has not been used with the H1 XLR before is loaded in it.
>
>
>
> When the SD Card Screen opens, test the SD card. (→ Testing microSD cards)
> - The following types of recording media are supported.
>   - microSDHC: 4 GB – 32 GB
>   - microSDXC: 64 GB – 1 TB

Supplying power

The H1 XLR can operate using batteries or a power supply connected to the USB port (AC adapter, USB bus power or portable battery).
Power from a power supply connected to the USB port will be used before batteries.

Installing batteries

Use 2 AA batteries when operating the H1 XLR on battery power.

1. When the power is off, push the 2 latches down to open the battery cover.
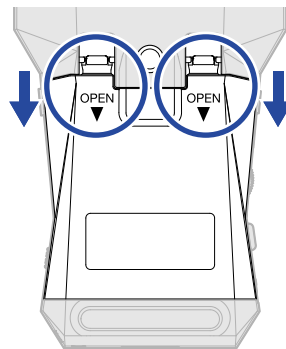
2. Install 2 AA batteries.
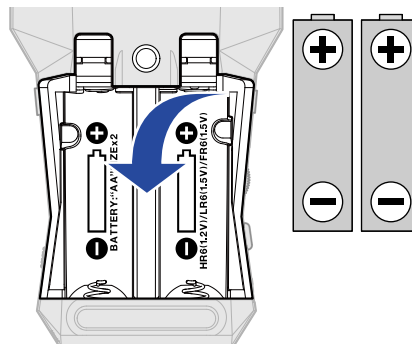
3. Replace the battery cover.

> **NOTE**
> - Use only one type of battery (alkaline, NiMH or lithium) at a time.
> - Set the type of battery used correctly so that the amount of remaining battery charge can be shown accurately. (→ Setting the type of batteries used)
> - If the batteries run out of charge, turn the power off immediately and install new batteries. The battery charge will always be shown when operating on battery power.

Connecting an AC adapter

Connect the cable of a dedicated AC adapter (AD-17) to the USB port (Type-C) and connect the adapter to an outlet.

USB (Type-C)
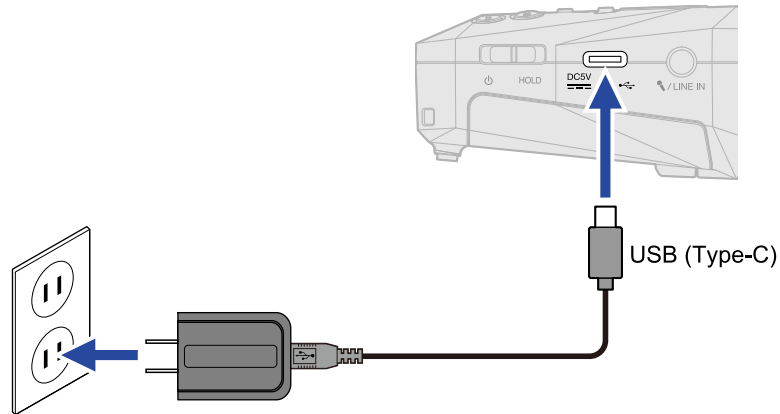
Using other power sources

By connecting the USB port (Type-C) to a computer, the H1 XLR can be operated using USB bus power. Moreover, it can also be powered by a 5V portable battery (commercially-available).

USB (Type-C)
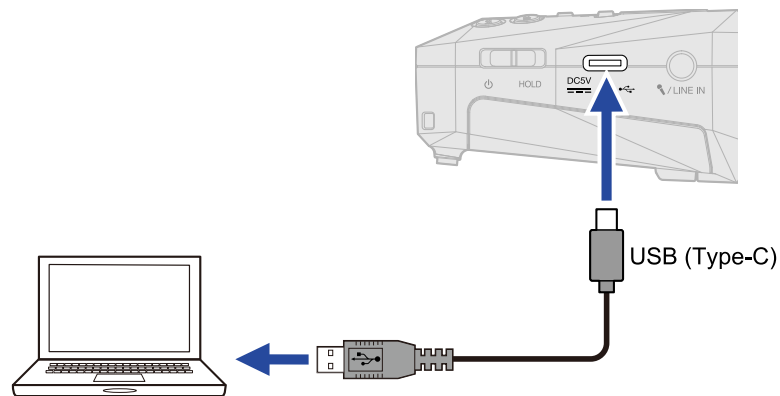
Connecting input devices

Connecting mics and other devices to INPUT 1 and 2

The H1 XLR has INPUT 1 and INPUT 2 jacks as well as a MIC/LINE IN jack that supports plug-in power. These can be used to input up to 2 channels.
Mics, mixers and other devices can be connected to INPUT 1 and 2.

■ Connecting mics

Connect dynamic and condenser mics with XLR plugs to INPUT 1 and 2.
Set the MIC/LINE switch to "MIC".
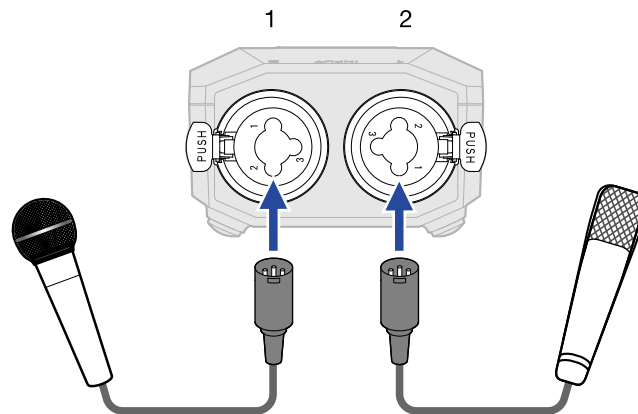
- Phantom power (+48V) can be supplied to condenser mics. (→ Setting phantom power)

- When disconnecting a mic, pull the XLR plug while pushing the connector lock release button.

■ Connecting line level equipment

When connecting mixers and other line-level equipment, set the MIC/LINE switches to "LINE".
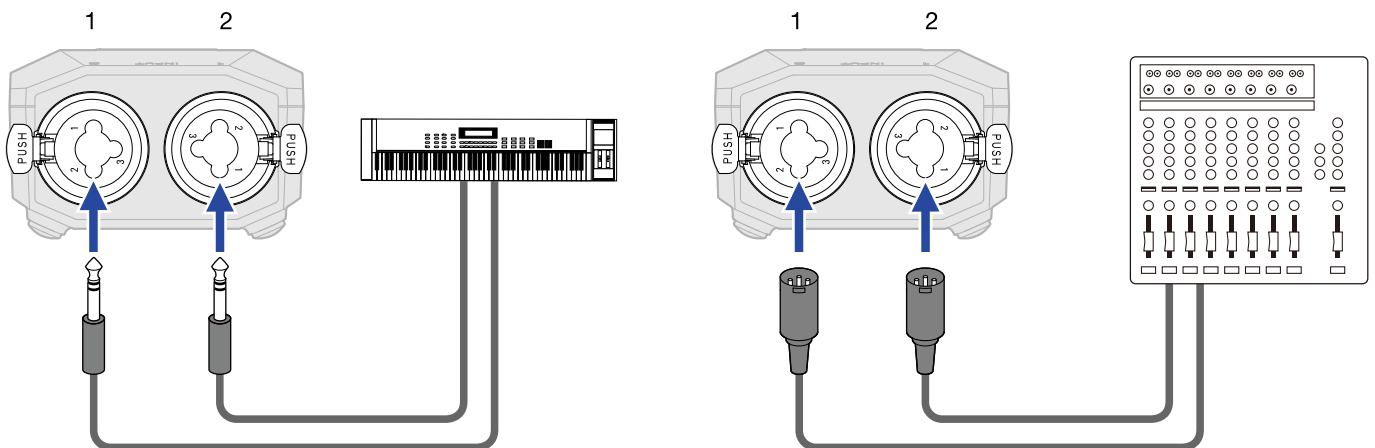
- Phantom power (+48V) can be supplied. (→ Setting phantom power)

- Direct input of passive guitars and basses is not supported. Connect these instruments through a mixer or effects device.

Connect a lavalier mic, for example, to the MIC/LINE IN jack.

The H1 XLR has a MIC/LINE IN jack that can be used to connect an external mic or line-level device.
This jack can also provide plug-in power to mics that use it.
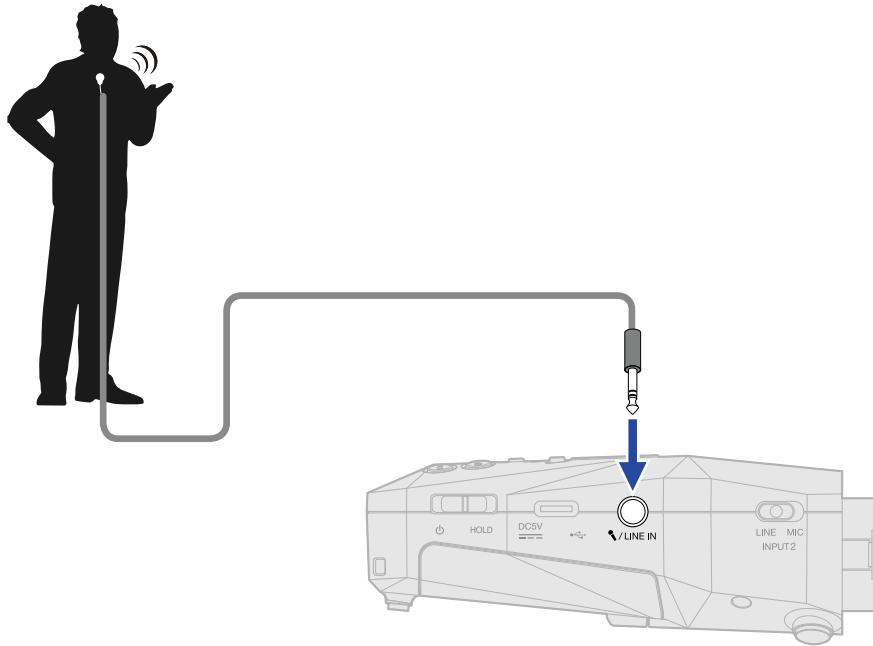
- When using a lavalier mic, enable plug-in power. (→ Using plug-in power)

Turning the power on/off

Turning the power on

1. Slide the ⬜ (POWER/HOLD switch) toward ⏻ (away from the INPUT 1 and 2 jacks) until the display becomes active.
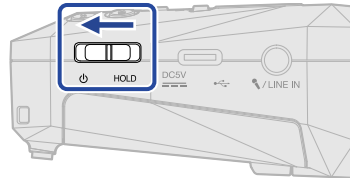
After the Startup Screen is shown, the Home Screen will open on the display.

The first time the power is turned on after purchase as well as when the H1 XLR has been reset to factory defaults, setting screens for the guide sound, display language and date and time will be shown. Make these settings. (→ Setting the guide sound (first time starting up), Setting the language shown (first time starting up), Setting the date format (first time starting up), Setting the date and time (first time starting up), Setting the type of batteries used (first time starting up))

> **NOTE**
> - The H1 XLR can be set so that its power will automatically turn off if it is not used for a set amount of time. (→ Setting the time until the power turns off automatically)
> - If "No SD Card!" appears on the display, confirm that a microSD card is inserted properly. (→ Inserting microSD cards)
> - If "Invalid SD Card!" appears on the display, the microSD card is not formatted correctly or its capacity is not supported. Format the microSD card or use a different microSD card. (→ Formatting microSD cards, Inserting microSD cards)

■ Turning the power off

1. Slide the ⬚ (POWER/HOLD switch) toward ⏻ (away from the INPUT 1 and 2 jacks) until "Please wait. Saving data…" appears on the display.
The display will darken and the power will turn off.

> **NOTE**
> - Do not disconnect the AC adapter or remove the batteries while "Please wait. Saving data…" is shown because the current settings of the H1 XLR are being saved.
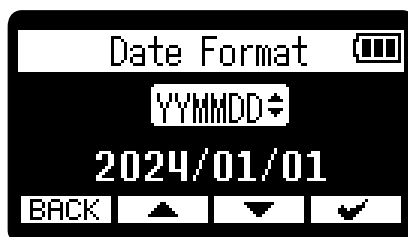> - The power cannot be turned off while recording. Turn the power off after recording stops.

Setting the guide sound (first time starting up)

The first time the power is turned on after purchase as well as after the H1 XLR has been reset to factory defaults, set the guide sound when a screen to set it is shown.

1. Use ⬆️ (operation button 2) and ⬇️ (operation button 3) to select a setting, and press ✔️ (operation button 4) to confirm it.

```
    Guide Sound    🔋
  ✔ENG + Beep
   Beep Only
   Off
   ___  ▲  ▼  ✔
```

Setting	Explanation
ABC + Beep ("ABC" shows the installed language.)	Setting items will be read aloud in the installed language. A beeping sound will be used to notify the occurrence of error messages, recording starting/stopping and volume adjustment, for example. English is installed at the time of purchase, but other languages can be installed and used for reading as desired. (→ Installing guide sounds)
Beep Only	A beeping sound will be used to notify when error messages occur, recording starts/stops and the volume changes, for example. Nothing will be read aloud.
Off	This turns off the guide sound.

After the guide sound setting is confirmed, set the language shown when a screen to set it opens. (→ Setting the language shown (first time starting up))

> **NOTE**
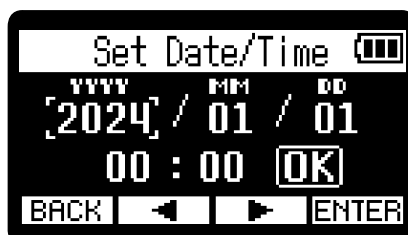> The volume of the guide sound can also be adjusted. (→ Setting the guide sound volume)

HINT

- The guide sound setting can also be changed later on the Menu Screen. (→ Setting the guide sound (Accessibility))

- The guide sound can be turned on/off immediately by pressing and holding [MENU] (MENU button). (→ Turning the guide sound on/off with a shortcut)

Setting the language shown (first time starting up)

The first time the power is turned on after purchase as well as when the H1 XLR has been reset to factory defaults, set the display language when a screen to set it is shown after setting the guide sound.

1. Use [▲] (operation button 2) and [▼] (operation button 3) to select the language shown, and press [✔] (operation button 4) to confirm it.

After the display language setting is confirmed, set the date format when a screen to set it opens. (→ Setting the date format (first time starting up))

HINT

- The language shown setting can also be changed later on the Menu Screen. (→ Setting the language shown)
- Select [BACK] (operation button 1) to return to the previous settings screen.

Setting the date format (first time starting up)

The first time the power is turned on after purchase as well as after the H1 XLR has been reset to factory defaults, set the date format when a screen to set it is shown after setting the display language.
The date written to recorded files will use the date format selected here.

1. Use ◢▲◣ (operation button 2) and ◢▼◣ (operation button 3) to select the date format, and press ◢✔◣ (operation button 4) to confirm it.
A specific example of the set date format will be shown at the bottom of the screen using the current date setting.

```
┌─────────────────────────┐
│  Date Format      ▐███▌ │
│        ┌────────┐       │
│        │YYMMDD↕ │       │
│        └────────┘       │
│       2024/01/01        │
│ ┌────┬────┬────┬────┐   │
│ │BACK│ ▲  │ ▼  │ ✔  │   │
│ └────┴────┴────┴────┘   │
└─────────────────────────┘
```

Setting	Explanation
YYMMDD	The date is shown in year, month, day order.
MMDDYY	The date is shown in month, day, year order.
DDMMYY	The date is shown in day, month, year order.

After the date format setting is confirmed, set the date and time when a screen to set them opens. (→ Setting the date and time (first time starting up))

HINT
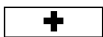
- The date format setting can also be changed later on the Menu Screen. (→ Setting the date format)
- Select BACK (operation button 1) to return to the previous settings screen.

Setting the date and time (first time starting up)

The first time the power is turned on after purchase as well as after the H1 XLR has been reset to factory defaults, set the date and time when a screen to set them is shown after setting the date format. The date and time are stored in recording files.

1. Use ◄ (operation button 2) and ► (operation button 3) to select the desired setting item, and press ENTER (operation button 4) to confirm selection.

```
      Set Date/Time  ▥
   YYYY      MM    DD
  [2024] /  01 /  01
        00 : 00  OK
  BACK │ ◄ │ ► │ ENTER
```

2. Use ─ (operation button 2) and + (operation button 3) to change the value, and press ✔ (operation button 4) to confirm it.

```
      Set Date/Time  ▥
   YYYY      MM    DD
  2024⇕/  01 /  01
        00 : 00  OK
  BACK │ ─ │ + │ ✔
```
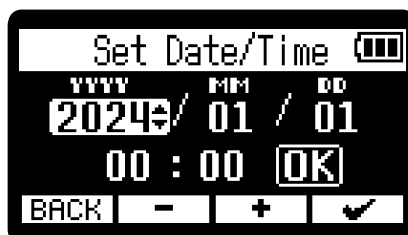
3. Repeat steps 1–2 to set the date and time.

4. After setting all items, use ◄ (operation button 2) and ► (operation button 3) to select OK (OK button on screen), and press ✔ (operation button 4) to confirm.

```
      Set Date/Time  ▥
   YYYY      MM    DD
  2024 /  07 /  01
        10 : 10  [OK]
  BACK │ ◄ │ ► │ ✔
```
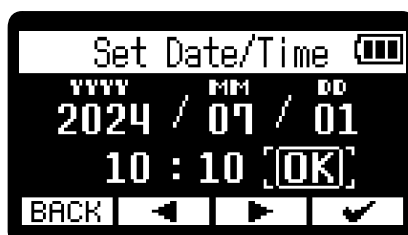
After the date and time setting is confirmed, set the battery type when a screen to set it opens. (→ Setting the type of batteries used (first time starting up))

> **NOTE**
> If power is not supplied for a long time, the date and time settings stored in the unit will be reset. If the Set Date/Time Screen appears during startup, set them again.

HINT

- The date and time setting can also be changed later from the Menu Screen. (→ Setting the date and time)
- Select BACK (operation button 1) to return to the previous settings screen.

Setting the type of batteries used (first time starting up)

The first time the power is turned on after purchase as well as after the H1 XLR has been reset to factory defaults, set the type of batteries used in the H1 XLR when a screen to set it is shown after setting the date and time. This is necessary to accurately show the remaining battery charge on the display.
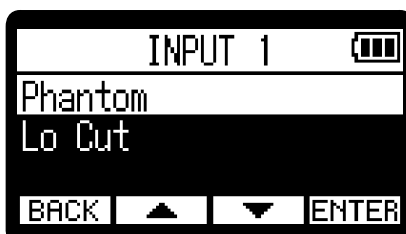
1. Use ⬆ (operation button 2) and ⬇ (operation button 3) to select the type of battery used, and press ✔ (operation button 4) to confirm it.

```
Battery Type  (III)
✔Alkaline
 Ni-MH
 Lithium
BACK  ▲  ▼  ✔
```

Setting	Explanation
Alkaline	Alkaline batteries
Ni-MH	Nickel-metal hydride batteries
Lithium	Lithium batteries

After first-time settings are complete, the Home Screen will open.

HINT

- The battery type setting can be changed later on the Menu Screen. (→ Setting the type of batteries used)
- Select BACK (operation button 1) to return to the previous settings screen.

Preventing misoperation (HOLD function)

In order to prevent misoperation, the hold function can be used to disable the buttons on the H1 XLR.

1. Slide ⬜ (POWER/HOLD switch) toward "HOLD" (toward the INPUT 1 and 2 jacks).

This turns on the HOLD function, disabling operations using all buttons.
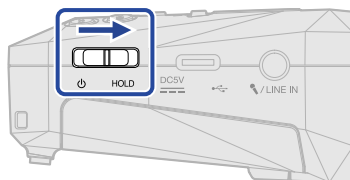
To deactivate the HOLD function, slide ⬜ (POWER/HOLD switch) back to the center position.

> **NOTE**
>
> The volume can be adjusted using ⬜ (VOLUME dial) even when the hold function is on.

Making input settings

Changing the stereo/mono setting

The channel format used for recording audio can be selected.

Setting	Explanation
MONO×2	The input signals from INPUT 1 and 2 are handled as individual mono audio signals (and 2 mono files are generated). When a mic or other device is connected to the MIC/LINE IN jack, this setting cannot be used and will be automatically switched to STEREO.
STEREO	The input signals from INPUT 1 and 2 will be handled as a stereo audio signal. INPUT 1 will become the L channel and INPUT 2 will become the R channel.
MONO (INPUT 1)	The input signal from INPUT 1 will be handled as mono audio. When a mic, for example, is connected to the MIC/LINE IN jack, the L channel input signal will be handled as mono audio and become the MONO (L) signal.

1. Press ⬜ STEREO/MONO (STEREO/MONO button) when the Home Screen is open.
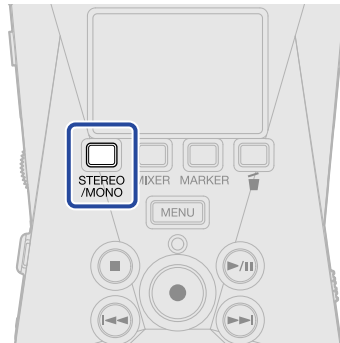
Pressing this cycles through the options: "MONO×2", "STEREO" and "MONO (INPUT 1)".

The waveform display on the Home Screen changes according to the set channel format.
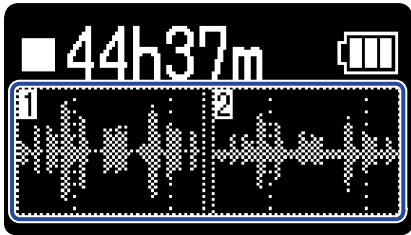
■ MONO×2 selected ■ STEREO selected ■ MONO (INPUT 1) selected

■44h37m ▯▯▯ ■44h37m ▯▯▯ ■89h15m ▯▯▯

> **NOTE**
>
> - If equipment is connected to the MIC/LINE IN jack, "MONO×2" will not be shown.
> - The recording file format will be changed in the same way. (→ H1 XLR folder and file structure)
>   - "STEREO" selected: stereo files
>   - "MONO×2" or "MONO (INPUT 1)" selected: mono files

Setting phantom power

INPUT 1 and 2 on the H1 XLR support phantom power and can provide +48 V. Turn on phantom power when condenser mics that require it are connected.

1. Press ⟨MENU⟩ (MENU button) when the Home Screen is open.
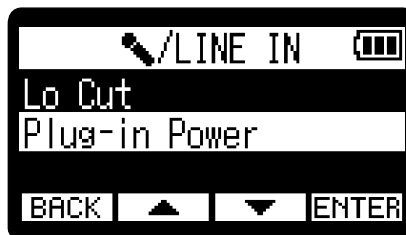This opens the Menu Screen.

2. Use ⟨▲⟩ (operation button 2) and ⟨▼⟩ (operation button 3) to select "Input Settings" and press ⟨ENTER⟩ (operation button 4) to confirm.

```
┌─────────────────────────┐
│        Menu       ▭▭▭   │
├─────────────────────────┤
│ Input Settings       ▐  │
│ Rec Settings         ▐  │
│ Repeat Setting       ▐  │
│ BACK │ ▲ │ ▼ │ ENTER   │
└─────────────────────────┘
```

3. Use ⟨▲⟩ (operation button 2) and ⟨▼⟩ (operation button 3) to select the input desired for setting phantom power, and press ⟨ENTER⟩ (operation button 4) to confirm selection.
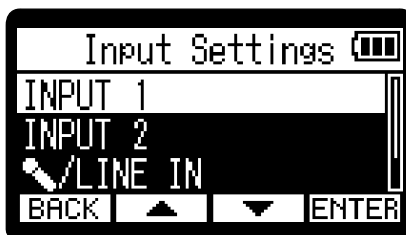
```
┌─────────────────────────┐
│   Input Settings  ▭▭▭   │
├─────────────────────────┤
│ INPUT 1              ▐   │
│ INPUT 2              ▐   │
│ ✎/LINE IN           ▐   │
│ BACK │ ▲ │ ▼ │ ENTER   │
└─────────────────────────┘
```

- When the STEREO/MONO setting is "MONO×2", "INPUT 1" or "INPUT 2" can be selected.

- When the STEREO/MONO setting is "STEREO", "INPUT 1&2" can be selected.

- When the STEREO/MONO setting is "MONO (INPUT 1)" "INPUT 1" can be selected.

4. Use ⟨▲⟩ (operation button 2) and ⟨▼⟩ (operation button 3) to select "Phantom", and press ⟨ENTER⟩ (operation button 4) to confirm.

```
┌─────────────────────────┐
│     INPUT 1       ▭▭▭   │
├─────────────────────────┤
│ Phantom                 │
│ Lo Cut                  │
│                         │
│ BACK │ ▲ │ ▼ │ ENTER   │
└─────────────────────────┘
```

5. Use [▲] (operation button 2) and [▼] (operation button 3) to select "On" or "Off", and press [✔] (operation button 4) to confirm.

```
┌─────────────────────────┐
│      Phantom      ▭▭▭    │
│ ✔Off                    │
│  On                     │
│                         │
│ BACK │ ▲ │ ▼ │ ✔       │
└─────────────────────────┘
```

NOTE
When connecting devices that are not compatible with phantom power, do not turn phantom power on. Doing so could damage the device.

HINT
- Phantom power is a function that supplies power to devices that require an external power supply, including some condenser mics. +48 V is common.
- In step 3, phantom power for INPUT 1 and INPUT 2 can be turned off quickly by selecting "Turn off all phantom power".

Using plug-in power

Make the following setting when a mic that is compatible with plug-in power is connected to the MIC/LINE IN jack.

1. Press ⬚MENU⬚ (MENU button) when the Home Screen is open.
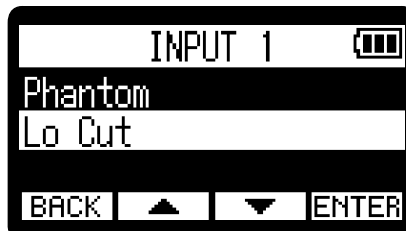This opens the Menu Screen.

2. Use ⬚▲⬚ (operation button 2) and ⬚▼⬚ (operation button 3) to select "Input Settings" and press ⬚ENTER⬚ (operation button 4) to confirm.

```
        Menu        ▭
Input Settings      ▮
Rec Settings        ▮
Repeat Setting      ▮
BACK │ ▲ │ ▼ │ENTER
```

3. Use ⬚▲⬚ (operation button 2) and ⬚▼⬚ (operation button 3) to select " ✎ /LINE IN" and press ⬚ENTER⬚ (operation button 4) to confirm.

```
   Input Settings ▭
INPUT 1             ▮
INPUT 2             ▮
✎/LINE IN           ▮
BACK │ ▲ │ ▼ │ENTER
```
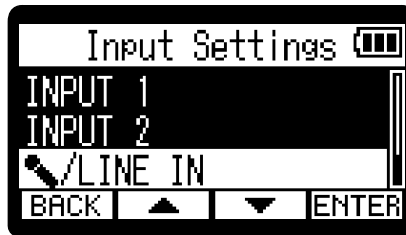
4. Use ⬚▲⬚ (operation button 2) and ⬚▼⬚ (operation button 3) to select "Plug-in Power" and press ⬚ENTER⬚ (operation button 4) to confirm.

```
   ✎/LINE IN    ▭
Lo Cut
Plug-in Power

BACK │ ▲ │ ▼ │ENTER
```

5. Use ▲ (operation button 2) and ▼ (operation button 3) to select "On", and press ✔ (operation button 4) to confirm.

```
┌─────────────────────────┐
│   Plug-in Power  ▥      │
│ ✔Off                    │
│  On                     │
│                         │
│ BACK │ ▲ │ ▼ │ ✔       │
└─────────────────────────┘
```

Reducing noise (Lo Cut)

Low frequencies can be cut to reduce the sound of wind and vocal pop noises, for example.

1. Press `MENU` (MENU button) when the Home Screen is open.
This opens the Menu Screen.

2. Use `▲` (operation button 2) and `▼` (operation button 3) to select "Input Settings" and press `ENTER` (operation button 4) to confirm.

```
       Menu         (▥)
Input Settings       ▐
Rec Settings         ▐
Repeat Setting
BACK │ ▲ │ ▼ │ENTER
```

3. Use `▲` (operation button 2) and `▼` (operation button 3) to select the input desired for setting the low-cut, and press `ENTER` (operation button 4) to confirm selection.
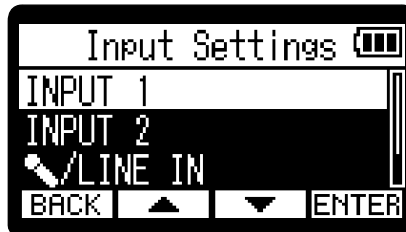
```
   Input Settings (▥)
INPUT 1              ▐
INPUT 2              ▐
🎤/LINE IN
BACK │ ▲ │ ▼ │ENTER
```

- When the STEREO/MONO setting is "MONO×2", "INPUT 1" or "INPUT 2" can be selected.
- When the STEREO/MONO setting is "STEREO", "INPUT 1&2" can be selected.
- When the STEREO/MONO setting is "MONO (INPUT 1)" "INPUT 1" can be selected.

4. Use `▲` (operation button 2) and `▼` (operation button 3) to select "Lo Cut", and press `ENTER` (operation button 4) to confirm.

```
     INPUT 1      (▥)
Phantom
Lo Cut

BACK │ ▲ │ ▼ │ENTER
```

5. Use [▲] (operation button 2) and [▼] (operation button 3) to select the cutoff frequency, and press [✔] (operation button 4) to confirm.

```
┌──────────────────────────┐
│      Lo Cut      ▭▭▭     │
│ ✔Off                     │
│  80 Hz                   │
│  160 Hz                  │
│ BACK │ ▲ │ ▼ │ ✔         │
└──────────────────────────┘
```

The cutoff frequency can be set to OFF, 80 Hz, 160 Hz or 240 Hz.

Making output settings

Settings can be made for output to headphones and connected devices.
When connecting another device, minimize its input gain and use an audio cable to connect its external mic jack to the PHONE/LINE OUT jack on the H1 XLR.
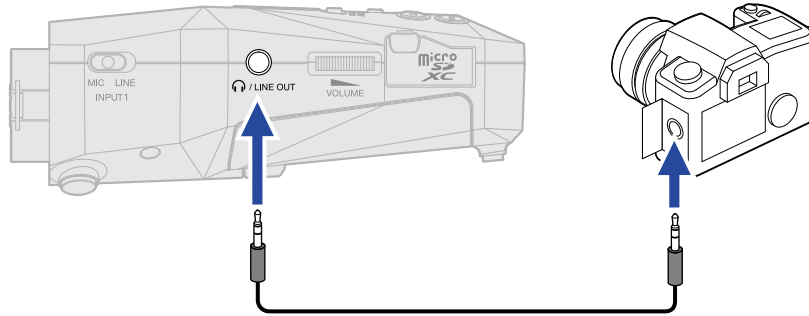
HINT
When output to an external device is unnecessary, disconnecting the cable from the PHONE/LINE OUT jack can increase the amount of operation time when using batteries.

Changing how the output level is adjusted

How the level is adjusted for output from the PHONE/LINE OUT jack to other devices can be changed.

When connecting another device, for example, select "Fixed" if you do not want use of (VOLUME) to change the volume. This will cause sound to be output at the level set as explained in "Adjusting the fixed level".

1. Press ⬚ MENU ⬚ (MENU button) when the Home Screen is open.
   This opens the Menu Screen.

2. Use ⬚ ▲ ⬚ (operation button 2) and ⬚ ▼ ⬚ (operation button 3) to select "Output Settings" and press ⬚ ENTER ⬚ (operation button 4) to confirm.

45
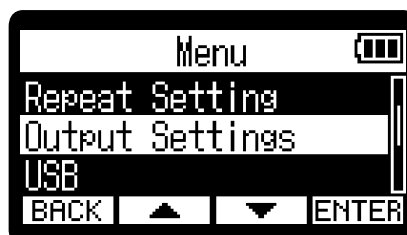
3. Use [▲] (operation button 2) and [▼] (operation button 3) to select "Volume Control", and press ENTER (operation button 4) to confirm.

```
Output Settings 🔋
Volume Control
Fixed Level

BACK    ▲    ▼   ENTER
```
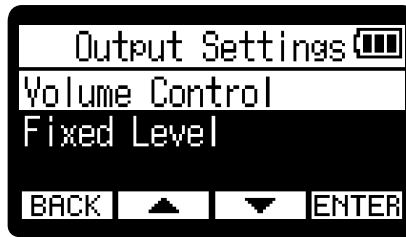
4. Use [▲] (operation button 2) and [▼] (operation button 3) to select the output level adjustment method, and press [✔] (operation button 4) to confirm it.

```
Volume Control 🔋
✔Knob
 Fixed

BACK    ▲    ▼    ✔
```
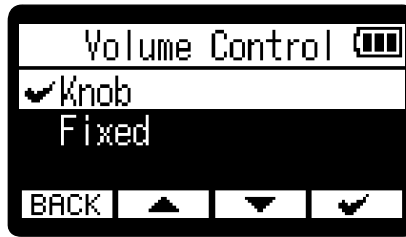
Setting	Explanation
Knob	Use **VOLUME** (VOLUME dial) to adjust the output level.
Fixed	Adjustment of **VOLUME** (VOLUME dial) has no effect. The output level can be adjusted as explained in "Adjusting the fixed level".

NOTE

The speaker volume can be adjusted using **VOLUME** (VOLUME dial) regardless of this setting.

Adjusting the fixed level

The output level when "Volume Control" is set to "Fixed" can be adjusted. (→ Changing how the output level is adjusted)

1. Press ⌊MENU⌋ (MENU button) when the Home Screen is open.
This opens the Menu Screen.
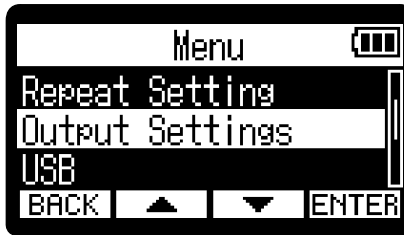
2. Use ⌊▲⌋ (operation button 2) and ⌊▼⌋ (operation button 3) to select "Output Settings" and press ⌊ENTER⌋ (operation button 4) to confirm.

```
         Menu          ▥
Repeat Setting
Output Settings
USB
 BACK │  ▲  │  ▼  │ENTER
```

3. Use ⌊▲⌋ (operation button 2) and ⌊▼⌋ (operation button 3) to select "Fixed Level", and press ⌊ENTER⌋ (operation button 4) to confirm.

```
    Output Settings▥
Volume Control
Fixed Level

 BACK │  ▲  │  ▼  │ENTER
```
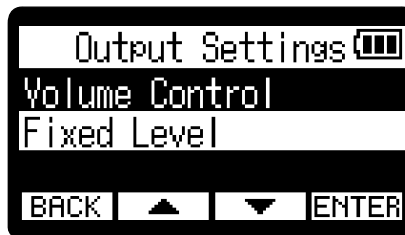
4. Use ⌊ − ⌋ (operation button 2) and ⌊ + ⌋ (operation button 3) to set the fixed level, and press ⌊ ✔ ⌋ (operation button 4) to confirm.
The setting value is shown on the display.

```
    Fixed level   ▥
     ┌─────────┐
     │ +0 ⇕dB  │
     └─────────┘
     ▶/❙❙:PLAY TONE
      1kHz  -20dBFS
 BACK │  −  │  +  │  ✔
```

HINT
It can be set from −40 to +40.

5. To output a test tone from the H1 XLR and adjust the output level, press ⏯ (PLAY/PAUSE button).

While checking the audio level meter of the connected device, adjust the input gain of that device until the audio signal level is about −20 dB.

```
┌─────────────────────────┐
│    Fixed Level    ▭▭▭▭  │
│ ┌─────────────────────┐ │
│ │      +0 ⬍dB         │ │
│ ├─────────────────────┤ │
│ │ ▶/❚❚:PLAY  TONE     │ │
│ │   1kHz  -20dBFS     │ │
│ └─────────────────────┘ │
│ BACK │  −  │  +  │  ✔   │
└─────────────────────────┘
```
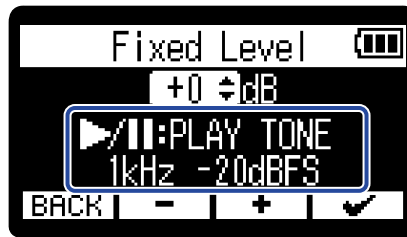
HINT

The test tone is a 1kHz sine wave at -20 dBFS.

---

6. After adjusting the input gain of the connected device, press ⏯ (PLAY/PAUSE button).

This stops test tone output.

NOTE

- See the manual of the connected device for information about its operation.
- If the automatic gain control function on the other device is on, turn it off.
- The level adjusted here does not affect the recorded audio or the audio level output from the USB port.

Recording

Monitoring input sounds

Use headphones, for example, to monitor input sounds and adjust the volume.

1. Connect headphones, for example, to the PHONE/LINE OUT jack.
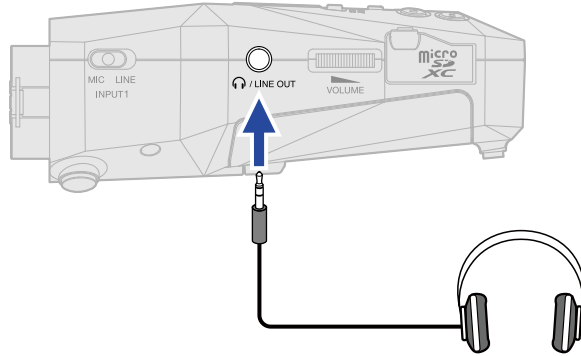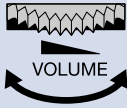
2. Use (VOLUME) to adjust the volume.

The volume is shown on the display while the volume is being adjusted.
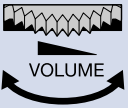
NOTE

- The volume output from the PHONE/LINE OUT jack is also affected by volume adjustments made on the Mixer Screen. Adjust the headphone volume after adjusting the input mix levels. (→ Adjusting the mix of input sounds)

- When nothing is connected to the PHONE/LINE OUT jack, operating ![VOLUME] (VOLUME) will change the speaker volume.

- The built-in speaker cannot be used for monitoring while recording.

- When "Volume Control" is set to "Fixed", ![VOLUME] (VOLUME) cannot be used to adjust the volume. To use ![VOLUME] (VOLUME) for volume adjustment, set "Volume Control" to "Knob". (→ Making output settings)

HINT

- When monitoring with headphones is unnecessary, disconnecting headphones from the PHONE/LINE OUT jack can increase the amount of operation time when using batteries.

- The volume of each input can also be adjusted separately. (→ Adjusting the mix of input sounds)

Adjusting the mix of input sounds

On the H1 XLR Mixer Screen, the input sound mix can be adjusted. Level meters can be used to check the volumes of input sounds.

**1.** Press ⬜ (MIXER button) when the Home Screen is open.
MIXER
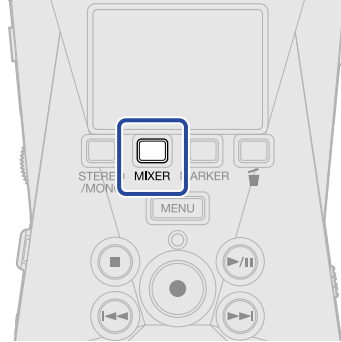
This opens the Mixer Screen.

- When the STEREO/MONO setting is "MONO×2", the levels of INPUT 1 and 2 will be shown separately.
- When the STEREO/MONO setting is "STEREO", the stereo levels of INPUT 1 and 2 will be shown.
- When the STEREO/MONO setting is "MONO (INPUT 1)", the level of INPUT 1 will be shown.

2. When the STEREO/MONO setting is "MONO×2", use ◀ (operation button 2) and ▶ (operation button 3) to select the input for level adjustment, and press `ENTER` (operation button 4) to confirm.
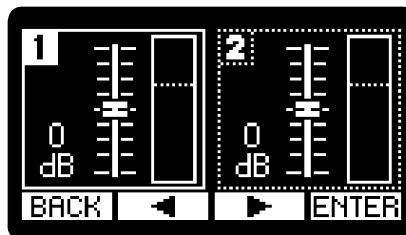
3. Use ━ (operation button 2) and ✚ (operation button 3) to set the level, and press `ENTER` (operation button 4) to confirm.
This confirms the adjusted level.
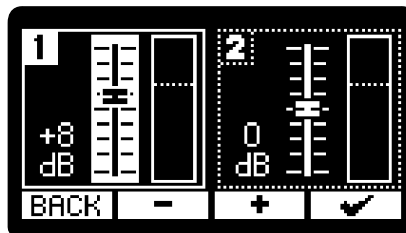
4. Repeat steps 2–3 to balance the overall volume.

When done adjusting press `BACK` (Operation button1) to return to the Home Screen.

> **NOTE**
>
> - On the Mixer Screen, (●) (REC button) can be used to start recording in the same way as on the Home Screen.
> - Level adjustments on the Mixer Screen affect recording files.
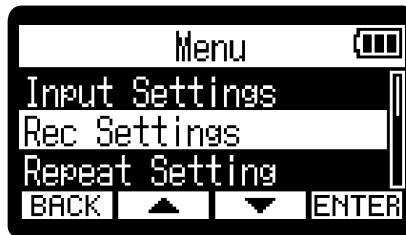
HINT
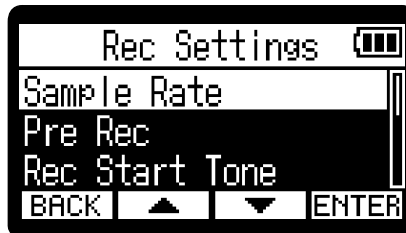The volume can be set to "Mute" or from −64 to +40.

Making recording settings

Setting the sample rate

The sample rate used to record files can be set.

1. Press ⌨ MENU ⌨ (MENU button) when the Home Screen is open.
This opens the Menu Screen.

2. Use ⬚ ▲ ⬚ (operation button 2) and ⬚ ▼ ⬚ (operation button 3) to select "Rec Settings", and press
ENTER (operation button 4) to confirm.

```
┌─────────────────────────┐
│   Menu          ▥        │
│ Input Settings         ▯ │
│ Rec Settings           ▮ │
│ Repeat Setting         ▯ │
│ BACK │ ▲ │ ▼ │ ENTER    │
└─────────────────────────┘
```

3. Use ⬚ ▲ ⬚ (operation button 2) and ⬚ ▼ ⬚ (operation button 3) to select "Sample Rate", and press
ENTER (operation button 4) to confirm.

```
┌─────────────────────────┐
│   Rec Settings   ▥       │
│ Sample Rate            ▮ │
│ Pre Rec                ▯ │
│ Rec Start Tone         ▯ │
│ BACK │ ▲ │ ▼ │ ENTER    │
└─────────────────────────┘
```

4. Use ⬚ ▲ ⬚ (operation button 2) and ⬚ ▼ ⬚ (operation button 3) to select the sample rate, and
press ⬚ ✔ ⬚ (operation button 4) to confirm.

```
┌─────────────────────────┐
│   Sample Rate    ▥       │
│   44.1kHz                │
│ ✔ 48kHz                  │
│   96kHz                  │
│ BACK │ ▲ │ ▼ │ ✔        │
└─────────────────────────┘
```
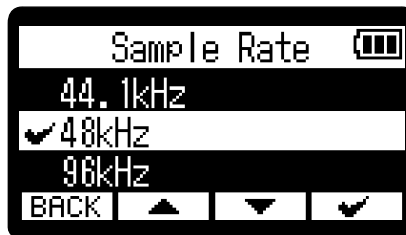
The following sample rates can be selected.
44.1 kHz, 48 kHz, 96 kHz

NOTE
The only bit depth that can be used for recording is 32-bit float.

Capturing audio before recording starts (pre-recording)

The input signal is always buffered for a set amount of time, so it can be captured (pre-recorded) for 2 seconds before the time when ⦿ (REC button) is operated to start recording.

This is useful when ⦿ (REC button) is operated late, for example.

1. Press ⌷MENU⌷ (MENU button) when the Home Screen is open.
This opens the Menu Screen.

2. Use ⌷▲⌷ (operation button 2) and ⌷▼⌷ (operation button 3) to select "Rec Settings", and press ⌷ENTER⌷ (operation button 4) to confirm.

```
        Menu        ▯▮▮▮
 Input Settings          ▯
 Rec Settings
 Repeat Setting          ▯
 BACK │  ▲  │  ▼  │ENTER
```

3. Use ⌷▲⌷ (operation button 2) and ⌷▼⌷ (operation button 3) to select "Pre Rec" and press ⌷ENTER⌷ (operation button 4) to confirm.

```
      Rec Settings   ▯▮▮▮
 Sample Rate             ▯
 Pre Rec
 Rec Start Tone          ▯
 BACK │  ▲  │  ▼  │ENTER
```

4. Use ⌷▲⌷ (operation button 2) and ⌷▼⌷ (operation button 3) to select "On", and press ⌷✔⌷ (operation button 4) to confirm.

```
       Pre Rec      ▯▮▮▮
 ✔Off
  On (2 sec)

 BACK │  ▲  │  ▼  │  ✔
```

> **NOTE**
> - This cannot be used with the self timer. When pre-recording is enabled, the self-timer will be disabled. (→ Setting the self-timer)
> - This function cannot be used with the recording start tone function. When pre-recording is set, the recording start tone will be disabled. (→ Enabling the recording start tone)

Enabling the recording start tone

Half-second tone signals (recording start tones) can be output from the PHONE/LINE OUT jack when recording is started.
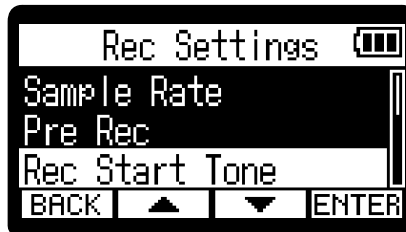Since recording start tones are also written to recording files, when recording audio for video with the H1 XLR, sending its output signal to the camera input can make synchronizing audio and video easier.

1. Press ⌈MENU⌉ (MENU button) when the Home Screen is open.
This opens the Menu Screen.

2. Use ⌈▲⌉ (operation button 2) and ⌈▼⌉ (operation button 3) to select "Rec Settings", and press ⌈ENTER⌉ (operation button 4) to confirm.

```
Menu                    🔋
Input Settings
Rec Settings
Repeat Setting
BACK    ▲    ▼    ENTER
```

3. Use ⌈▲⌉ (operation button 2) and ⌈▼⌉ (operation button 3) to select "Rec Start Tone", and press ⌈ENTER⌉ (operation button 4) to confirm.

```
Rec Settings            🔋
Sample Rate
Pre Rec
Rec Start Tone
BACK    ▲    ▼    ENTER
```

4. Use ⌈▲⌉ (operation button 2) and ⌈▼⌉ (operation button 3) to select the volume of the recording start tone, and press ⌈✔⌉ (operation button 4) to confirm.

```
Rec Start Tone          🔋
✔Off
 -40 dB
 -20 dB
BACK    ▲    ▼    ✔
```
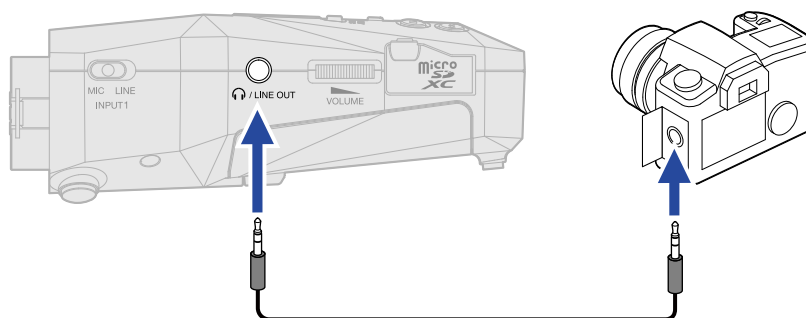
The following volumes can be selected.
Off, –40 dB, –20 dB
No recording start tone will be played if "Off" is selected.

5. Use a stereo mini jack cable to connect the input jack of the camera to the H1 XLR PHONE/LINE OUT jack.

NOTE

- Be careful with the volume if you are monitoring the input sound with headphones connected to the camera, for example.
- This cannot be used with the pre-recording function. When the recording start tone is enabled, PRE REC will be disabled. (→ Capturing audio before recording starts (pre-recording))

Setting the self-timer

After pressing ⏺ (REC button), recording will start automatically after the set time passes.

1. Press [MENU] (MENU button) when the Home Screen is open.
This opens the Menu Screen.

2. Use [▲] (operation button 2) and [▼] (operation button 3) to select "Rec Settings", and press [ENTER] (operation button 4) to confirm.

```
         Menu        (IIII)
 Input Settings
 Rec Settings
 Repeat Setting
 BACK    ▲    ▼   ENTER
```

3. Use [▲] (operation button 2) and [▼] (operation button 3) to select "Self Timer", and press [ENTER] (operation button 4) to confirm.

```
      Rec Settings  (IIII)
 Pre Rec
 Rec Start Tone
 Self Timer
 BACK    ▲    ▼   ENTER
```

4. Use [▲] (operation button 2) and [▼] (operation button 3) to set the time until recording starts, and press [✔] (operation button 4) to confirm.

```
      Self Timer   (IIII)
 ✔Off
  3 sec
  5 sec
 BACK    ▲    ▼    ✔
```

The following times can be selected.
Off, 3 sec, 5 sec, 10 sec

5. Press the [MENU] (MENU button).
This opens the Home Screen.

```
 ■44h37m    (III)
 1          2
  ⎍⎍⎍⎍⎍⎍   ⎍⎍⎍⎍⎍
```
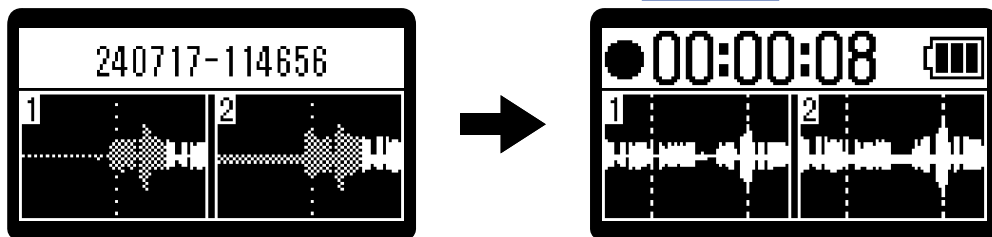
6. Press the ⦿ (REC button).

This starts a countdown.

① Countdown (seconds)

Recording will start automatically after the time set in step 4 passes. The Recording Screen will be shown after the name of the file being recorded is shown. (→ Recording)

NOTE

This cannot be used with the pre-recording function. When the self-timer is enabled, PRE REC will be disabled. (→ Capturing audio before recording starts (pre-recording))

HINT

- During the countdown, ⦿ (REC button) can be pressed to start recording immediately.

- During the countdown, ⦿ (STOP button) can be pressed to cancel it.

Setting the recording delay timer

Recording can be started automatically after a set time passes.

1. Press ⟦MENU⟧ (MENU button) when the Home Screen is open.
This opens the Menu Screen.

2. Use ⌷▲⌷ (operation button 2) and ⌷▼⌷ (operation button 3) to select "Rec Settings", and press ⟦ENTER⟧ (operation button 4) to confirm.

```
        Menu        ▥
Input Settings        ▯
Rec Settings
Repeat Setting        ▯
BACK │  ▲  │  ▼  │ENTER
```

3. Use ⌷▲⌷ (operation button 2) and ⌷▼⌷ (operation button 3) to select "Rec Delay Timer", and press ⟦ENTER⟧ (operation button 4) to confirm.

```
     Rec Settings   ▥
Rec Start Tone        ▯
Self Timer
Rec Delay Timer
BACK │  ▲  │  ▼  │ENTER
```

4. Use ⌷ − ⌷ (operation button 2) and ⌷ + ⌷ (operation button 3) to set the time until recording starts.

```
    Rec Delay Timer ▥

         10⬍min

BACK │  −  │  +  │  ✔
```

This can be set from 1 to 60 minutes (in one-minute increments).

5. Press [✔] (operation button 4) to start the timer.

This starts the countdown, and the REC indicator will blink.
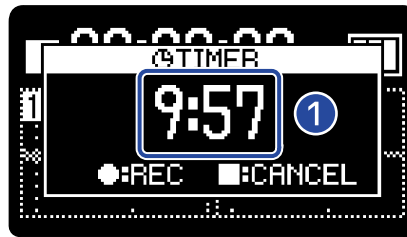
① Countdown (minutes: seconds)

Recording will start when the countdown finishes. The Recording Screen will be shown after the name of the file being recorded is shown.
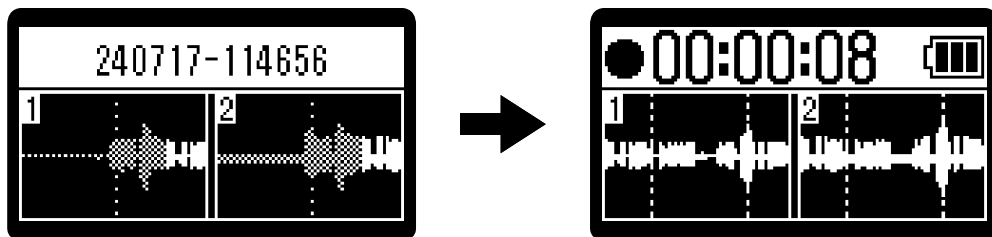
NOTE
When using the recording delay timer, pre-recording and the self-timer cannot be used. (→ Capturing audio before recording starts (pre-recording), Setting the self-timer)

HINT

- During the countdown, (●) (REC button) can be pressed to start recording immediately.

- During the countdown, (■) (STOP button) can be pressed to cancel it.

Setting the recording file name format

The recording file name format can be set.

1. Press ⸤MENU⸥ (MENU button) when the Home Screen is open.
This opens the Menu Screen.

2. Use ⸤▲⸥ (operation button 2) and ⸤▼⸥ (operation button 3) to select "Rec Settings", and press ⸤ENTER⸥ (operation button 4) to confirm.
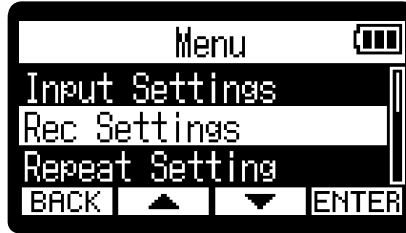
```
         Menu         ▯
Input Settings
Rec Settings
Repeat Setting
 BACK      ▲     ▼    ENTER
```

3. Use ⸤▲⸥ (operation button 2) and ⸤▼⸥ (operation button 3) to select "Rec File Name", and press ⸤ENTER⸥ (operation button 4) to confirm.

```
      Rec Settings   ▯
Self Timer
Rec Delay Timer
Rec File Name
 BACK      ▲     ▼    ENTER
```

4. Use ⸤▲⸥ (operation button 2) and ⸤▼⸥ (operation button 3) to select the file naming method, and press ⸤✔⸥ (operation button 4) to confirm.

```
     Rec File Name   ▯
 ZOOM****
✔Date-Time

 BACK      ▲     ▼    ✔
```
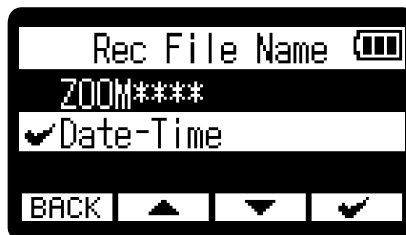
Setting	Explanation
ZOOM****	Files are named "ZOOM****.WAV" (**** is a consecutive number starting with 0001). Example: "ZOOM0001.WAV"
Date/Time	Files are named with a "year/month/day-hour/minute/second" format. Example: If recording started at 9:25:30 on January 15, 2024, the name would be "240115-092530.WAV".

NOTE

When set to "Date-Time", the "Date Format" setting will be used for the year/month/day order. (→ Setting the date format)

Setting the recording time display

Whether the elapsed recording time or the remaining available recording time is shown during recording can be selected.

1. Press ⟦MENU⟧ (MENU button) when the Home Screen is open.
This opens the Menu Screen.

2. Use ⟦▲⟧ (operation button 2) and ⟦▼⟧ (operation button 3) to select "Rec Settings", and press ⟦ENTER⟧ (operation button 4) to confirm.

```
┌──────────────────────────┐
│      Menu         (▯▯▯)   │
│ Input Settings         ▯  │
│ Rec Settings           ▯  │
│ Repeat Setting         ▯  │
│ BACK  │  ▲  │  ▼  │ENTER  │
└──────────────────────────┘
```

3. Use ⟦▲⟧ (operation button 2) and ⟦▼⟧ (operation button 3) to select "Rec Counter" and press ⟦ENTER⟧ (operation button 4) to confirm.

```
┌──────────────────────────┐
│    Rec Settings   (▯▯▯)   │
│ Rec Delay Timer        ▯  │
│ Rec File Name          ▯  │
│ Rec Counter            ▯  │
│ BACK  │  ▲  │  ▼  │ENTER  │
└──────────────────────────┘
```

4. Use ⟦▲⟧ (operation button 2) and ⟦▼⟧ (operation button 3) to select the time to be shown, and press ⟦✔⟧ (operation button 4) to confirm it.

```
┌──────────────────────────┐
│    Rec Counter    (▯▯▯)   │
│ ✔Elapsed Time             │
│  Remaining Time           │
│                           │
│ BACK  │  ▲  │  ▼  │  ✔    │
└──────────────────────────┘
```

Setting	Explanation
Elapsed Time	The current elapsed recording time will be shown.
Remaining Time	The remaining available recording time will be shown.

The Elapsed/Remaining Time will be shown at the top of the display when recording.

Writing metadata (iXML chunks) to recording files

Various related information (metadata) stored in iXML chunks can be written to recorded files. (→ Metadata contained in iXML chunks in WAV files)

1. Press ⌈MENU⌉ (MENU button) when the Home Screen is open.
This opens the Menu Screen.

2. Use ⌈▲⌉ (operation button 2) and ⌈▼⌉ (operation button 3) to select "Rec Settings", and press ⌈ENTER⌉ (operation button 4) to confirm.

3. Use ⌈▲⌉ (operation button 2) and ⌈▼⌉ (operation button 3) to select "Metadata (iXML)", and press ⌈ENTER⌉ (operation button 4) to confirm.
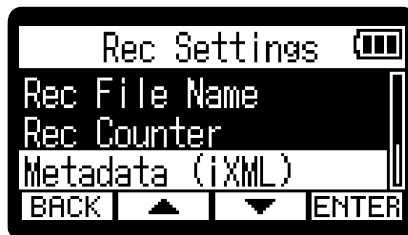
4. Use ⌈▲⌉ (operation button 2) and ⌈▼⌉ (operation button 3) to select a setting, and press ⌈✔⌉ (operation button 4) to confirm it.
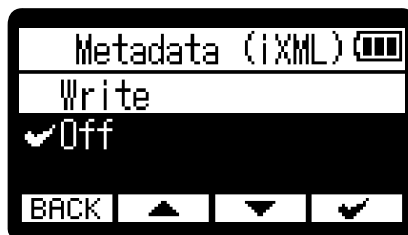
Setting	Explanation
Write	Metadata (iXML chunks) will be added to recording files.
Off	Metadata (iXML chunks) will not be added to recording files.

NOTE

Some applications might not be compatible with files that have data embedded in them. If problems occur with files when using an application, turning off metadata writing might resolve them.

Checking the current date/time and the name of the next recorded file

The current date/time and the name of the next recorded file can be checked.

1. When the Home Screen is open, press and hold ⬛ (STOP button).
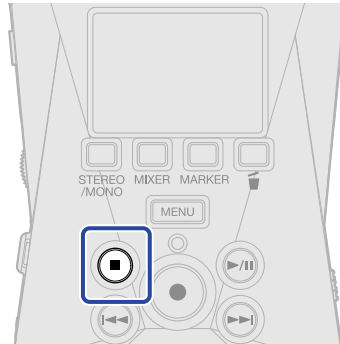
While pressing ⬛ (STOP button), the current date/time and name of the next file to be recorded will be shown.

① Current date/time

② Name of next recorded file

Release ⬛ (STOP button) to return to the Home Screen.

Recording
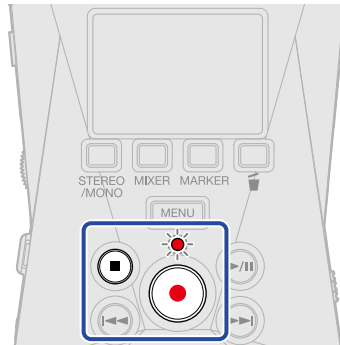
1. Press (●) (REC button) when the Home Screen is open.

The REC indicator will light red, the name of the recording file will appear on the display and recording will start.

The elapsed recording time or the remaining recordable time is shown when recording. (→ Setting the recording time display)
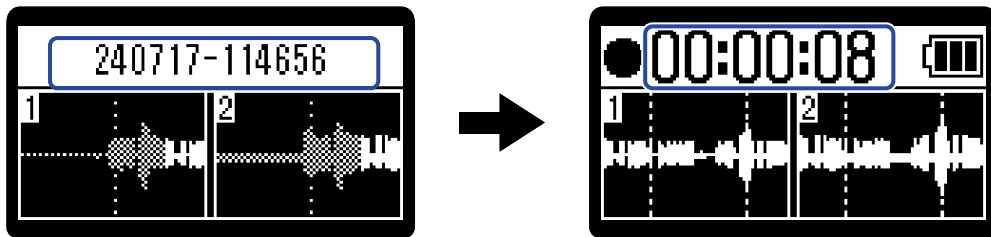
> **NOTE**
> The file name will use the format set as explained in "Setting the recording file name format".
> For details about file names, see "Recording file names".

2. To stop, press (●) (REC button) or (■) (STOP button).

Slide [⊡] (POWER/HOLD switch) toward HOLD (toward the INPUT 1/2 jacks) to prevent misoperation while recording. (→ Preventing misoperation (HOLD function))

> **NOTE**
> If the file size exceeds 2 GB during recording, a new file will be created automatically and recording will continue without pause. No gap in sound will occur between the two files when this happens.

HINT

- Marks can be added while recording by pressing ▭ (Marker button). (→ Adding marks during
  MARKER
  recording)
  A maximum of 99 marks can be added in a file.

- Files are automatically saved at regular intervals during recording. If the power is interrupted or another
  problem occurs during recording, an affected file can be restored to normal by turning on the power
  again.

- Recording can be paused by pressing ⏯ (PLAY/PAUSE button). Press ⏯ (PLAY/PAUSE button) again to
  resume recording.
  Pausing will automatically add a mark at that point.

Adding marks during recording

Marks can be added to files while recording.
Added marks are shown on the Playback Screen, and (REW button) and (FF button) can be used to move the playback position to marks.

1. Press [MARKER] (MARKER button) during recording.
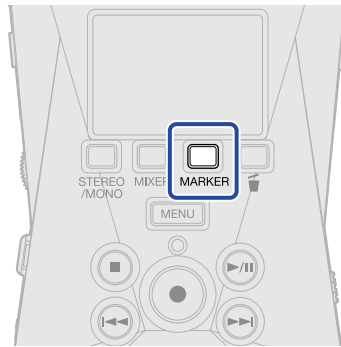
This will add a mark at the position of the current elapsed recording time.

> **NOTE**
> - A maximum of 99 marks can be added to a single file.
> - Use the Playback Screen to delete marks. (→ Deleting marks)

Moving the file being recorded to the Trash folder

The file being recorded can be moved to the trash. This function is convenient when, for example, a recording was not good enough.

1. Press ⬜ (Trash button) during recording.
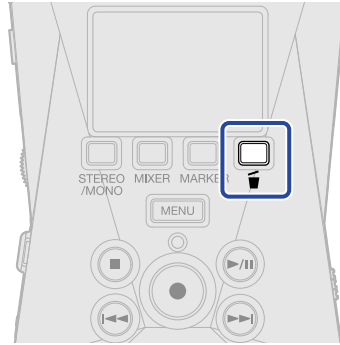
2. Use [▲] (operation button 2) and [▼] (operation button 3) to select "Cancel Recording" and press [✔] (operation button 4) to confirm.

This will stop recording and move the file being recorded to the trash. (→ H1 XLR folder and file structure)

Select "Back" and press [✔] (operation button 4) to cancel the operation and continue recording.

NOTE
- Files moved to the trash are saved in the Trash folder created on the SD card, but their information cannot be checked and they cannot be played back on the H1 XLR. To check or play them, connect and use a computer, smartphone or tablet. (→ Transferring files to computers and other devices)
- The files in the trash can all be deleted at the same time. (→ Deleting files in the Trash folder)

Playing recordings

Playing recordings
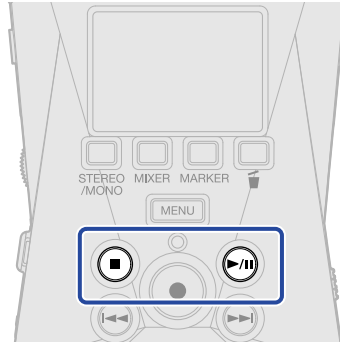
1. Press ⏯ (PLAY/PAUSE button) when the Home Screen is open.

This opens the Playback Screen on the display and starts playback of the most recently recorded file.

Use (VOLUME) to adjust the headphone or speaker volume.

The file played can be selected from the File List Screen. (→ Selecting files for playback (File List Screen))

> **NOTE**
>
> When "Volume Control" is set to "Fixed", (VOLUME) cannot be used to adjust the headphone volume. To use (VOLUME) for volume adjustment, set "Volume Control" to "Knob". (→ Changing how the output level is adjusted)

2. Press the ⏹ (STOP button).

This stops playback and returns to the beginning of the file.

Press ⏹ (STOP button) again to return to the Home Screen.

Selecting files for playback (File List Screen)

The File List Screen can be opened and playback files selected.
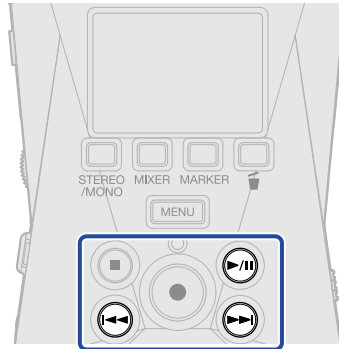
1. Press (FF button) on the Playback Screen.

This opens the File List Screen.

HINT

- If a mark exists before the playback position, pressing (FF button) will move the playback position to that mark.

- The File List Screen can also be opened by pressing (REW button) when near the beginning of a file.

2. Use ▲ (operation button 2) and ▼ (operation button 3) to select a file, and press (PLAY/PAUSE button).
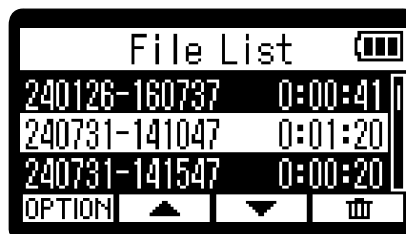
This opens the Playback Screen and starts playback of the selected file.

HINT

- (REW button) and (FF button) can also be used to select files.

- On the File List Screen, use `OPTION` (operation button 1) to open the Playback Options Screen (some items will not be shown) or use ⬛ (operation button 4) to delete files (→ Moving the file being played to the Trash folder).

Optimizing file volume (normalization)

By normalizing, the playback volume can be evened out regardless of the recording level. Normalization is a function that reads the maximum volume of the audio data and levels the volume without causing distortion.

1. Press `OPTION` (operation button 1) on the Playback Screen of the file you want to normalize. This opens the Playback Options Screen.

2. Use `▲` (operation button 2) and `▼` (operation button 3) to select "Normalize", and press `ENTER` (operation button 4) to confirm.

```
┌─────────────────────────────┐
│      240731-141047  ▥       │
│ Move to Trash            ▐  │
│ Normalize                   │
│ Export                      │
│ BACK │  ▲  │  ▼  │ ENTER   │
└─────────────────────────────┘
```

3. Use `▲` (operation button 2) and `▼` (operation button 3) to select "Execute", and press `✔` (operation button 4) to confirm.

```
┌─────────────────────────────┐
│      Normalize      ▥       │
│ Execute                     │
│ Cancel                      │
│      Estimate:0h02m         │
│ BACK │  ▲  │  ▼  │  ✔     │
└─────────────────────────────┘
```
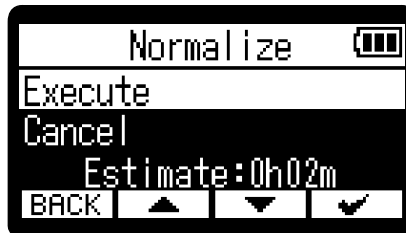
When normalization finishes, "Done" will appear and the Playback Screen will reopen.
Select "Cancel" and press `✔` (operation button 4) to cancel the operation.

> **NOTE**
> - Normalized files will still be saved in 32-bit format and can be played as is by the H1 XLR.
> - Normalized files will be saved as new files with "_NORM" added to the ends of their names.
> - If a recording continued for a long time and was split into multiple files, the volume will be adjusted based on the maximum level of all files in the series.

Changing the file format and exporting files

The H1 XLR can only record using 32-bit float format, but recorded files can be converted to other formats and exported.
This is convenient, for example, when loading files recorded on the H1 XLR to a computer, smartphone or tablet if the application being used does not support 32-bit float format.
In addition, exported tracks can be normalized to optimize the volumes of recorded files.

1. Press `OPTION` (operation button 1) on the Playback Screen of the file you want to export.
This opens the Playback Options Screen.

2. Use `▲` (operation button 2) and `▼` (operation button 3) to select "Export", and press `ENTER` (operation button 4) to confirm.

```
240731-141047 [IIII]
Move to Trash
Normalize
Export
BACK    ▲    ▼    ENTER
```

3. Use `▲` (operation button 2) and `▼` (operation button 3) to select the bit depth, and press `ENTER` (operation button 4) to confirm.

```
        Format      [IIII]
 16-bit
 24-bit

BACK    ▲    ▼    ENTER
```

The following formats can be selected.
16-bit, 24-bit

4. Use `▲` (operation button 2) and `▼` (operation button 3) to select a normalization setting, and press `ENTER` (operation button 4) to confirm.

```
       Normalize    [IIII]
 Off
 On

BACK    ▲    ▼    ENTER
```

If "On" is selected, the file will be normalized during export.

5. Use ⬆ (operation button 2) and ⬇ (operation button 3) to select "Execute", and press ✔ (operation button 4) to confirm.

```
┌──────────────────────────┐
│      Export        ▥    │
│ Execute                  │
│ Cancel                   │
│      Estimate:0h02m      │
│ BACK │ ▲ │ ▼ │ ✔       │
└──────────────────────────┘
```

Select "Cancel" and press ✔ (operation button 4) to cancel the operation.

To cancel during export, press BACK (operation button 1). Then, use ⬆ (operation button 2) and ⬇ (operation button 3) to select "Cancel Exporting", and use ENTER (operation button 4) to confirm.

6. When "Done" appears after exporting finishes, press BACK (operation button 1).

This reopens the Playback Screen.

Adding/deleting marks in recorded files

Marks can be added to recorded files.

Added marks are shown on the Playback Screen, and ◄◄ (REW button) and ►► (FF button) can be used to move the playback position to marks.

Adding marks

1. Press `OPTION` (operation button 1) on the Playback Screen of the file you want to add marks to.
This opens the Playback Options Screen.

2. Use `▲` (operation button 2) and `▼` (operation button 3) to select "Mark", and press `ENTER` (operation button 4) to confirm.
This opens the Mark Operation Screen.
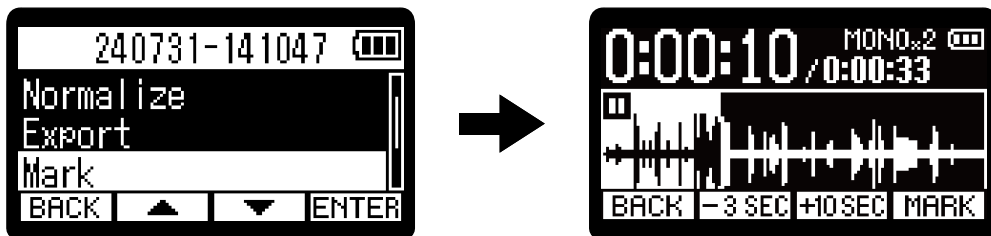
3. Use ►/❚❚ (PLAY/PAUSE button), ►► (FF button), ◄◄ (REW button), `−3 SEC` (operation button 2) and `+10 SEC` (operation button 3) to move the playback position to where you want to add a mark, and press `MARK` (operation button 4) to confirm.
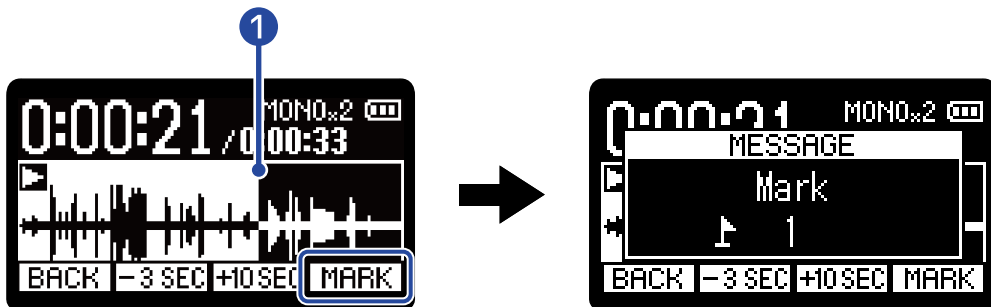
① Current playback position

A mark will be added at the current playback position.

4. Press `BACK` (operation button 1).
This reopens the Playback Options Screen.

> **NOTE**
> A maximum of 99 marks can be added to a single file.

Deleting marks

1. Press $\boxed{\text{OPTION}}$ (operation button 1) on the Playback Screen of the file you want to remove marks from.
This opens the Playback Options Screen.

2. Use $\boxed{\blacktriangle}$ (operation button 2) and $\boxed{\blacktriangledown}$ (operation button 3) to select "Mark", and press $\boxed{\text{ENTER}}$ (operation button 4) to confirm.
This opens the Mark Operation Screen.
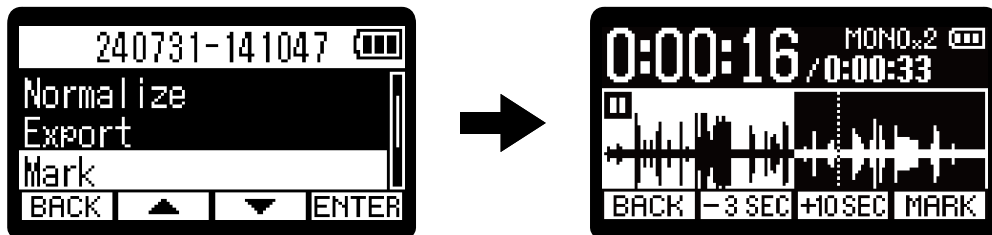
3. Use $\textcircled{\tiny ▸▸}$ (FF button) and $\textcircled{\tiny ◂◂}$ (REW button) to move the playback position to the mark you want to delete, and press $\boxed{\text{× MARK}}$ (operation button 4) to confirm.
When the playback position has moved to a mark, $\boxed{\text{MARK}}$ (mark icon) becomes $\boxed{\text{× MARK}}$ (delete mark icon).
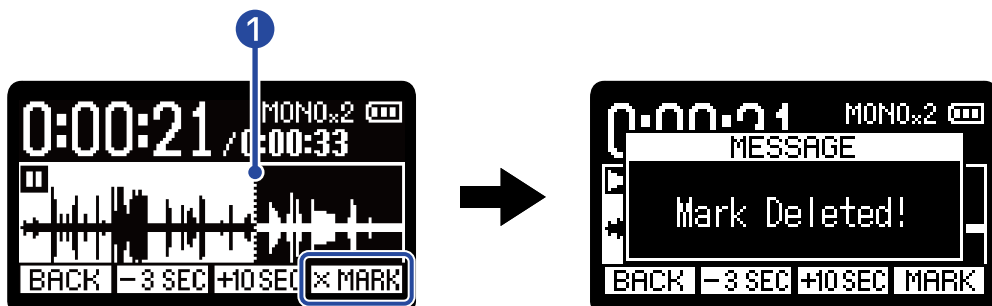
❶ Position of mark to be deleted

4. Press $\boxed{\text{BACK}}$ (operation button 1).
This reopens the Playback Options Screen.

Repeating playback of a set interval (A-B repeat)

Playback can be repeated between two set points.

1. Press `OPTION` (operation button 1) on the Playback Screen of the file you want to set for repeat playback.
This opens the Playback Options Screen.

2. Use `▲` (operation button 2) and `▼` (operation button 3) to select "A-B/Speed", and press `ENTER` (operation button 4) to confirm.
This opens the A-B Repeat / Playback Speed Screen.
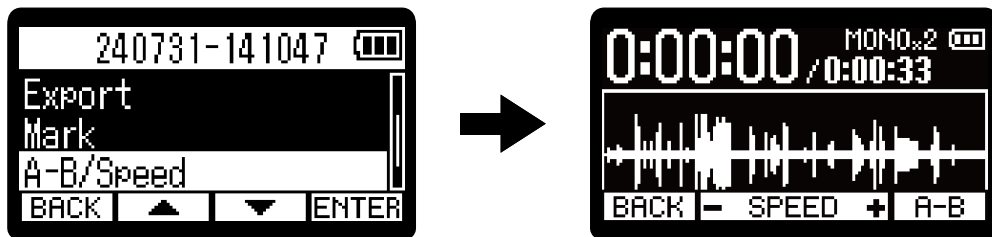
3. Press (PLAY/PAUSE button) to start playback or press and hold (REW button) or (FF button) to move to the desired starting position (A point) for repeat playback. Then, press `A-B` (operation button 4) to confirm it.

🄰 will appear at the set point.

4. Press and hold (REW button) or (FF button) to move to the desired ending position (B point) for repeat playback. Then, press `A-B` (operation button 4) to confirm it.

🄱 will appear at the set point, and repeat playback between the A and B points will start.

5. Press `BACK` (operation button 1) when finished setting.

This reopens the Playback Options Screen.

NOTE

To cancel or change A-B repeat settings, press `A-B` (operation button 4) to reset the settings.

HINT

Since moving the A (playback start) and B (playback end) points during playback allows these positions to be confirmed in real time, they can be set while checking the playback sound.

Changing the playback speed

The playback speed can be changed.

1. Press `OPTION` (operation button 1) on the Playback Screen of the file for which you want to set the playback speed.
This opens the Playback Options Screen.

2. Use `▲` (operation button 2) and `▼` (operation button 3) to select "A-B/Speed", and press `ENTER` (operation button 4) to confirm.
This opens the A-B Repeat / Playback Speed Screen.
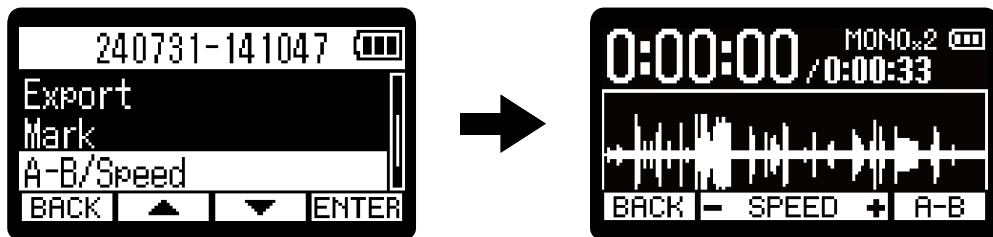
3. Use `−` (operation button 2) and `+` (operation button 3) to set the playback speed.
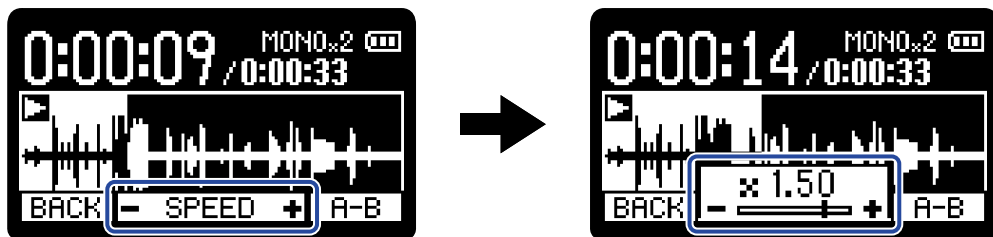
The following speeds can be selected.
× 0.50 (50% speed), × 0.75, × 1.00 (normal), × 1.50 (150% speed), × 2.00 (200% speed)

4. Press `BACK` (operation button 1) when finished setting.
This reopens the Playback Options Screen.

Checking file information

A variety of information about the playing file can be checked.

1. Press `OPTION` (operation button 1) on the Playback Screen of the file with information you want to check.
This opens the Playback Options Screen.

```
┌──────────────────────────┐
│   240731-141047  (IIII)   │
├──────────────────────────┤
│Move to Trash             ▐│
│Normalize                 ▐│
│Export                     │
│BACK │  ▲  │  ▼  │ ENTER   │
└──────────────────────────┘
```

2. Use `▲` (operation button 2) and `▼` (operation button 3) to select "Information", and press `ENTER` (operation button 4) to confirm.

```
┌──────────────────────────┐
│   240731-141047  (IIII)   │
├──────────────────────────┤
│Mark                       │
│A-B/Speed                  │
│Information               ▐│
│BACK │  ▲  │  ▼  │ ENTER   │
└──────────────────────────┘
```

3. Use `▲` (operation button 2) and `▼` (operation button 3) to check the various types of information.

File creation date/time	File format	File length

```
┌─────────────────────┐   ┌─────────────────────┐   ┌─────────────────────┐
│ 240731-141047 (IIII)│   │ 240731-141047 (IIII)│   │ 240731-141047 (IIII)│
├─────────────────────┤   ├─────────────────────┤   ├─────────────────────┤
│Date/Time           ▐│   │Format              ▐│   │Length              ▐│
│        2024/07/31   │ ⬅➡ │           48kHz    ▐│ ⬅➡ │        00:01:20    ▐│
│          14:10:46  ▐│   │      32 bit float  ▐│   │                    ▐│
│BACK │ ▲ │ ▼ │       │   │BACK │ ▲ │ ▼ │       │   │BACK │ ▲ │ ▼ │       │
└─────────────────────┘   └─────────────────────┘   └─────────────────────┘
```

4. Press `BACK` (operation button 1).
This reopens the Playback Options Screen.

Moving the file being played to the Trash folder

The file being played can be moved to the Trash folder.

1. Press ⌷ 🗑 ⌷ (operation button 4) on the Playback Screen of the file you want to move to the trash.

2. Use ⌷ ▲ ⌷ (operation button 2) and ⌷ ▼ ⌷ (operation button 3) to select "Move to Trash", and press ⌷ ✔ ⌷ (operation button 4) to confirm.
This moves the file being played to the trash. (→ H1 XLR folder and file structure)

After the file is moved, "Done" will appear and the Playback Screen will reopen.
Select "Cancel" and press ⌷ ✔ ⌷ (operation button 4) to cancel the operation.

> **NOTE**
> - Files moved to the trash are saved in the Trash folder created on the SD card, but their information cannot be checked and they cannot be played back on the H1 XLR. To check or play them, connect and use a computer, smartphone or tablet. (→ Transferring files to computers and other devices)
> - The files in the trash can all be deleted at the same time. (→ Deleting files in the Trash folder)

HINT
Files can also be moved to the trash by selecting "Move to Trash" on the Playback Options Screen.

Making settings for repeat playback (Repeat Setting)

Playback can be set so that after one file completes the next file will be played without stopping.

1. Press [MENU] (MENU button) when the Home Screen is open.
This opens the Menu Screen.

2. Use [▲] (operation button 2) and [▼] (operation button 3) to select "Repeat Settings", and press [ENTER] (operation button 4) to confirm.
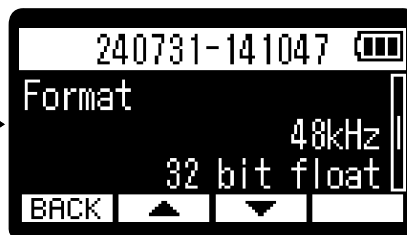
```
        Menu          (IIII)
Input Settings         ▯
Rec Settings
Repeat Setting
BACK │  ▲  │  ▼  │ENTER
```

3. Use [▲] (operation button 2) and [▼] (operation button 3) to select a repeat setting, and press [✔] (operation button 4) to confirm.

```
    Repeat Setting (IIII)
  Play One            ▯
 ✔Play All
  Repeat One
BACK │  ▲  │  ▼  │  ✔
```
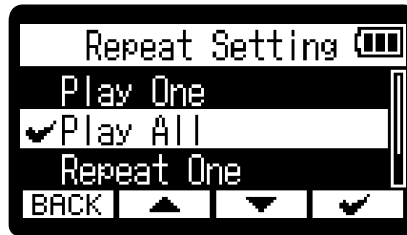
Setting	Explanation
Play One	Playback stops after one file completes playing.
Play All	After one file completes playing, the next file will start playback without pause. Files will play back in name order. Playback will stop after the last file completes.
Repeat One	After one file completes playing, the same file will play again repeatedly.
Repeat All	After one file completes playing, the next file will start playback without pause. Files will play back in name order. After the last file completes, playback will continue from the first file.

Managing files

Files created on the H1 XLR will be saved on the microSD card.
Recording files on the microSD card can be checked and deleted.

H1 XLR folder and file structure

Folder and file structure

When recording with the H1 XLR, files are created on microSD cards in the following manner.
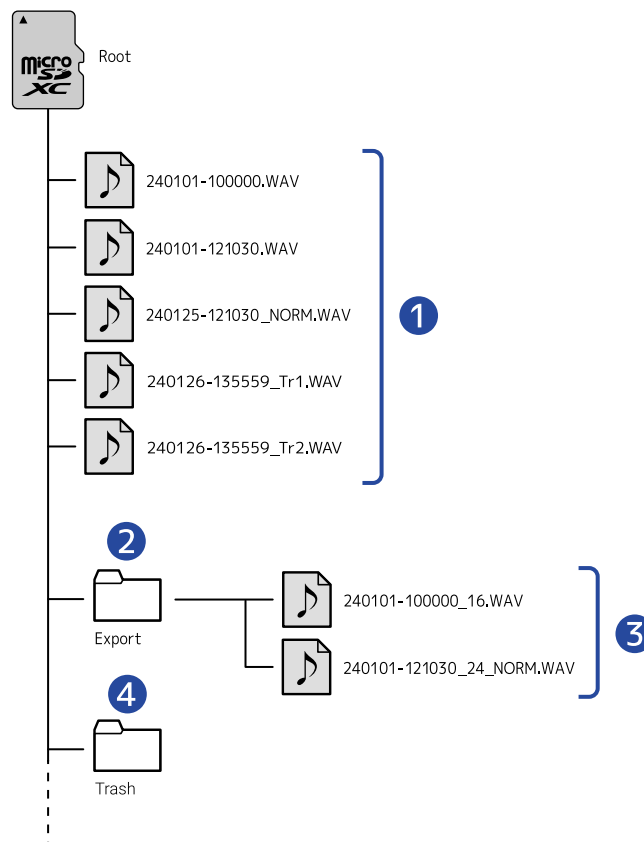
1 Recording files
Files recorded by the H1 XLR will be saved on the microSD card.
For details about recording file names, see "Recording file names".
Stereo files will be created when the STEREO/MONO setting is "STEREO". Mono files will be created when this is set to "MONO×2" or "MONO (INPUT 1)". (→ Changing the stereo/mono setting)
When set to "MONO×2", "_Tr1" and "_Tr2" will be added to the ends of file names for recordings of audio from INPUT 1 and 2.

2 Export folder
This is created when files are exported. Files created by exporting are saved in the Export folder. (→ Changing the file format and exporting files)

③ Exported files

④ Trash folder

The Trash folder is created automatically when an SD card is loaded in the H1 XLR. Files that have been moved to the Trash folder are saved inside it. (→ Moving the file being recorded to the Trash folder, Moving the file being played to the Trash folder)

The files in the Trash folder can all be deleted at the same time. (→ Deleting files in the Trash folder)

Recording file names

File names are assigned using the format set as explained in "Setting the recording file name format".

File name example	Explanation
When "Recording file name" is set to "ZOOM****" ZOOM0001.WAV ①	① Consecutive number Files are named with consecutive numbers starting with 0001.
When "Recording file name" is set to "Date-Time" 2420101-000000.WAV ① ②	① Date The date of recording is included numerically. The numbers follow the set order (Setting the date format). ② Time The hour, minute and second are included numerically.

NOTE
If the file size exceeds 2 GB, a new file will be created automatically and recording will continue without pause. New files created this way will be named using the numerical date and time of the moment of continuation.

Using as an audio interface

Signals input to the H1 XLR can be sent to a computer, smartphone or tablet, and playback signals from that device can be output from the H1 XLR.

Moreover, the H1 XLR can record even when it is being used as an audio interface.

No driver is necessary for use with smartphones, tablets or Mac computers.

A driver is necessary for use with Windows computers.

For Windows

1. Download the "H1 XLR Driver" to the computer from zoomcorp.com/help/h1xlr.

> **NOTE**
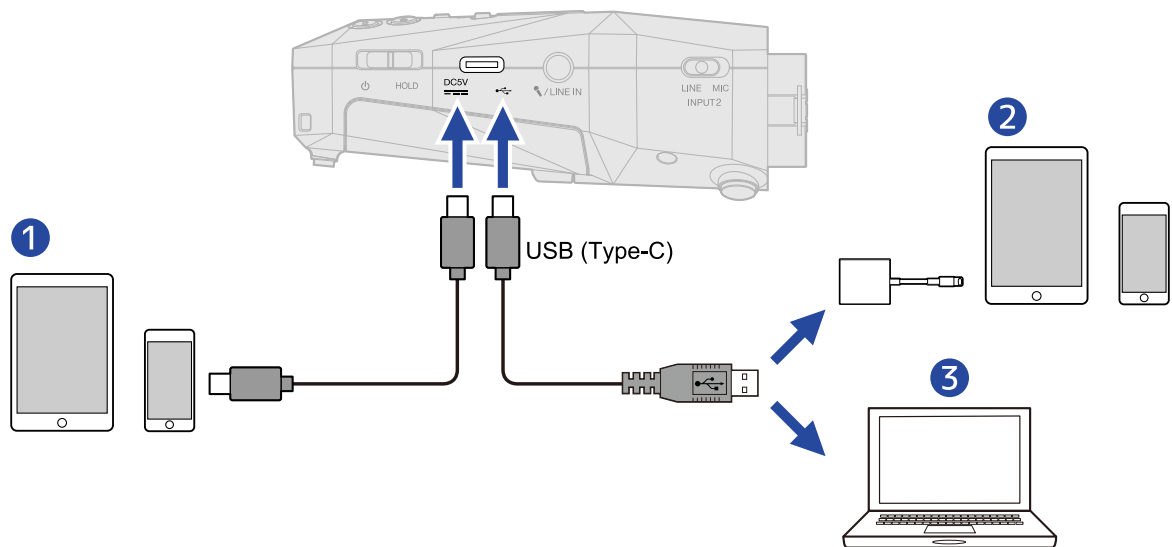> The latest "H1 XLR Driver" can be downloaded from the above website.

2. Launch the installer and follow the instructions to install the H1 XLR Driver.

> **NOTE**
> See the Installation Guide included in the driver package for detailed installation procedures.

Connecting to computers, smartphones and tablets

1. Use a USB (Type-C) cable to connect the H1 XLR with a computer, smartphone or tablet.

① Smartphone/tablet (USB Type-C)

② Smartphone/tablet (Lightning)

3 Computer (Windows/Mac)

2. Press ⌷MENU⌷ (MENU button) when the Home Screen is open.
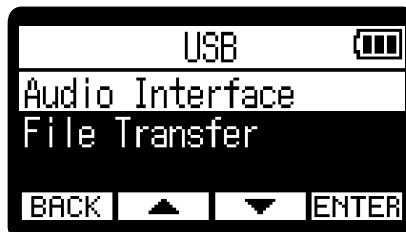This opens the Menu Screen.

3. Use ⌷▲⌷ (operation button 2) and ⌷▼⌷ (operation button 3) to select "USB", and press ⌷ENTER⌷ (operation button 4) to confirm.

```
          Menu        ▥
Repeat Setting
Output Settings
USB
 BACK │  ▲  │  ▼  │ENTER
```

4. Use ⌷▲⌷ (operation button 2) and ⌷▼⌷ (operation button 3) to select "Audio Interface", and press ⌷ENTER⌷ (operation button 4) to confirm.

```
          USB         ▥
Audio Interface
File Transfer

 BACK │  ▲  │  ▼  │ENTER
```

5. Use ⌷▲⌷ (operation button 2) and ⌷▼⌷ (operation button 3) to select the sample rate and bit depth, and press ⌷ENTER⌷ (operation button 4) to confirm.

```
    Audio Interface ▥
44.1kHz / 16-bit
48kHz / 16-bit
1kHz / 32-bit float
 BACK │ ▲ │ ▼ │ENTER
```

The following sample rate and bit depth combinations can be selected.
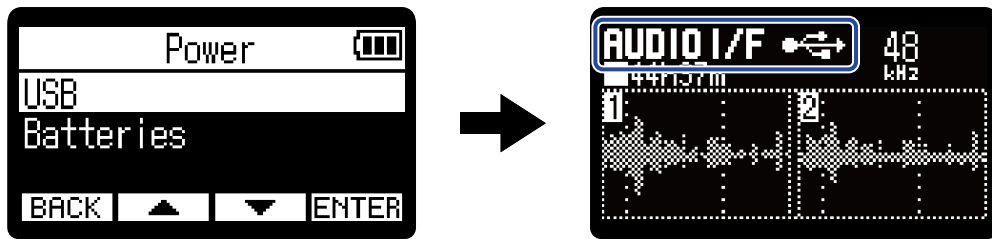44.1kHz/16bit, 48kHz/16bit, 44.1kHz/32-bit float, 48kHz/32-bit float

6. Use ▲ (operation button 2) and ▼ (operation button 3) to select "Power", and press ENTER (operation button 4) to confirm.

Setting	Explanation
USB	Power will be supplied using USB bus power.
Batteries	The batteries in the unit will be used.

NOTE

- When "USB" is selected, power is supplied through the USB cable from the computer. Depending on the USB bus power supply capacity of the computer, operation using bus power might not be possible. If this is the case, select "Batteries" and operate using batteries when connected.
- When "Batteries" is selected, power will not be supplied from the other device. Instead, the H1 XLR will operate using the batteries in it.

7. Launch an application on the computer, smartphone or tablet, and select "H1 XLR" as the "Audio" or "Input/Output" device.
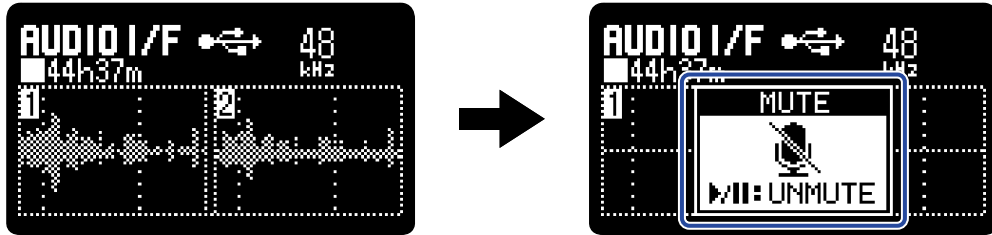
NOTE

- If "H1 XLR" cannot be selected for the "Sound" setting on a computer, it can still be used as a 32-bit float audio interface by selecting "H1 XLR" as the "Audio" or "Input/Output" device in an application that supports 32-bit float format.
- See the application operation manuals for information about their operation.

Muting input sound

When the audio interface function is being used, input sound can be temporarily muted so audio is not sent to the computer, smartphone or tablet.

1. Press (PLAY/PAUSE button) when the Home Screen is open and the audio interface function is in use.
The MUTE window will open and output to the computer, smartphone or tablet will be muted.

2. Press (PLAY/ PAUSE button) when muted.
This ends muting and returns to the previous screen.

> **NOTE**
> This mutes the input sound, so recorded sound and monitoring sound output from the PHONE/LINE OUT jack will be muted in the same way.

Making input settings and monitoring adjustments

When using the H1 XLR as an audio interface, input settings and monitoring adjustments can be made in the same way as when using it as a recorder.
See the references below and make input settings and monitoring adjustments.

Reference	Explanation
Using plug-in power	Make this setting when a mic that is compatible with plug-in power is connected to the MIC/LINE IN jack.
Setting phantom power	INPUT 1 and 2 support phantom power and can provide +48 V. Turn on phantom power when condenser mics that require it are connected. This can be turned on/off separately for each input.
Reducing noise (Lo Cut)	Low frequencies can be cut to reduce the sound of wind and vocal pop noises, for example. This can be set separately for each input.
Monitoring input sounds	Use headphones, for example, to monitor input sounds and adjust the volume.
Adjusting the mix of input sounds	On the Mixer Screen, the monitoring mix of all input sounds can be adjusted. Moreover, the volumes of the input sounds and their stereo mix signal can be checked with the level meters.

Making USB audio settings

When using the H1 XLR as an audio interface, settings can be made for the monitoring sound and signals sent to the computer, smartphone or tablet.

Enabling direct monitoring

This directly outputs the sound being input to the H1 XLR from it before sending the sound to the computer, smartphone or tablet.
This enables monitoring without latency (direct monitoring function).

1. When in audio interface mode, press [MENU] (MENU button) on the Home Screen.
This opens the Menu Screen.

2. Use [▲] (operation button 2) and [▼] (operation button 3) to select "USB Audio Settings", and press [ENTER] (operation button 4) to confirm.

```
            Menu
Exit Audio I/F
USB Audio Settings
Input Settings
BACK │  ▲  │  ▼  │ENTER
```

3. Use [▲] (operation button 2) and [▼] (operation button 3) to select "Direct Monitor", and press [ENTER] (operation button 4) to confirm.

```
    USB Audio Settings
Direct Monitor
Loop Back

BACK │  ▲  │  ▼  │ENTER
```

4. Use [▲] (operation button 2) and [▼] (operation button 3) to select "On", and press [✔] (operation button 4) to confirm.

```
    Direct Monitor
✔Off
  On

BACK │  ▲  │  ▼  │  ✔
```
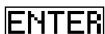
Enabling the loop back function

This function allows playback sound from a computer, smartphone or tablet and sounds input to the H1 XLR to be mixed and sent again (looped back) to the computer, smartphone or tablet.
This function can be used to add narration to music played back from a computer and to record the mix or stream it on that computer, for example.

1. When in audio interface mode, press ⬚MENU⬚ (MENU button) on the Home Screen.
This opens the Menu Screen.

2. Use ⬚▲⬚ (operation button 2) and ⬚▼⬚ (operation button 3) to select "USB Audio Settings", and press ⬚ENTER⬚ (operation button 4) to confirm.

```
          Menu
Exit Audio I/F
USB Audio Settings
Input Settings
BACK │  ▲  │  ▼  │ENTER
```

3. Use ⬚▲⬚ (operation button 2) and ⬚▼⬚ (operation button 3) to select "Loop Back", and press ⬚ENTER⬚ (operation button 4) to confirm.

```
   USB Audio Settings
Direct Monitor
Loop Back

BACK │  ▲  │  ▼  │ENTER
```

4. Use ⬚▲⬚ (operation button 2) and ⬚▼⬚ (operation button 3) to select "On" or "Off", and press ⬚✔⬚ (operation button 4) to confirm.

```
      Loop Back
✔Off
 On

BACK │  ▲  │  ▼  │  ✔
```
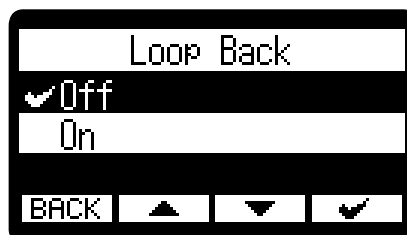
Selecting "On" enables the loop back function.

Recording on the H1 XLR while using it as an audio interface

The H1 XLR can record while being used as an audio interface. In this case, recording settings can be made in the same way as when using it as a recorder.
See the references below and make recording settings.

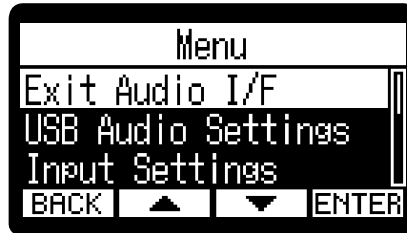| Reference	Explanation
Capturing audio before recording starts (pre-recording)	The input signal is always buffered for a set amount of time, so it can be captured (pre-recorded) for up to 2 seconds before the time when ⦿ (REC button) is operated to start recording.
Adjusting the mix of input sounds on the Mixer Screen	The input sound mix can be adjusted on the Mixer Screen. Level meters can be used to check the volumes of input sounds.
Enabling the recording start tone	Half-second tone signals (recording start tones) can be output from the PHONE/LINE OUT jack when recording is started.
Writing metadata (iXML chunks) to recording files	Various related information (metadata) stored in iXML chunks can be written to recorded files.

HINT

Press ▶/�II (PLAY/PAUSE button) to mute the input sound. (→ Muting input sound)

NOTE

The sample rate of recording files can be selected after opening the Menu Screen and selecting "Audio Interface" from "USB". The options are: 44.1kHz/16bit, 48kHz/16bit, 44.1kHz/32-bit float, and 48kHz/32-bit float. The bit depth used will be 32-bit float regardless of the setting.

Disconnecting from computers, smartphones and tablets

1. Press ⌷MENU⌷ (MENU button) when the Home Screen is open.
This opens the Menu Screen.

2. Use ⌷▲⌷ (operation button 2) and ⌷▼⌷ (operation button 3) to select "Exit Audio I/F", and press ⌷ENTER⌷ (operation button 4) to confirm.

```
┌─────────────────────┐
│        Menu         │
│ Exit Audio I/F    ▐ │
│ USB Audio Settings  │
│ Input Settings    ▐ │
│ BACK │ ▲ │ ▼ │ENTER│
└─────────────────────┘
```

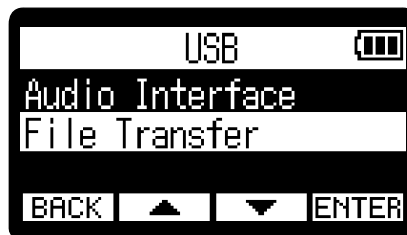# Transferring files to computers and other devices

By connecting the H1 XLR with a computer, smartphone or tablet, files on the microSD card can be checked and moved.

Connecting to computers, smartphones and tablets

1. Press ⬚MENU⬚ (MENU button) when the Home Screen is open.
This opens the Menu Screen.

2. Use ⬚▲⬚ (operation button 2) and ⬚▼⬚ (operation button 3) to select "USB", and press ⬚ENTER⬚ (operation button 4) to confirm.

```
┌─────────────────────────┐
│         Menu        ▭   │
│ Repeat Setting          │
│ Output Settings         │
│ USB                     │
│ BACK    ▲     ▼    ENTER│
└─────────────────────────┘
```

3. Use ⬚▲⬚ (operation button 2) and ⬚▼⬚ (operation button 3) to select "File Transfer", and press ⬚ENTER⬚ (operation button 4) to confirm.

```
┌─────────────────────────┐
│         USB         ▭   │
│ Audio Interface         │
│ File Transfer           │
│                         │
│ BACK    ▲     ▼    ENTER│
└─────────────────────────┘
```

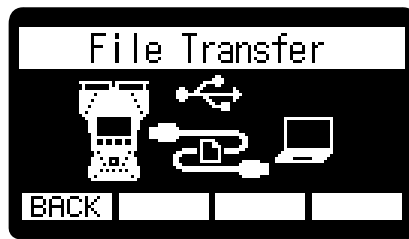**4.** Use ⬚▲⬚ (operation button 2) and ⬚▼⬚ (operation button 3) to select the power source, and press ⬚ENTER⬚ (operation button 4) to confirm.

```
┌─────────────────────────┐
│        Power        ▭   │
│ USB                     │
│ Batteries               │
│                         │
│ BACK    ▲     ▼    ENTER│
└─────────────────────────┘
```

Setting	Explanation
USB	Select this when connecting with a computer.

| Setting	Explanation
Batteries	Select this when connecting with a smartphone or tablet.

This opens the File Transfer Screen.

> **NOTE**
>
> - When "USB" is selected, power is supplied through the USB cable from the computer. Depending on the USB bus power supply capacity of the computer, operation using bus power might not be possible. If this is the case, select "Batteries" and operate using batteries when connected.
> - When "Batteries" is selected, power will not be supplied from the other device. Instead, the H1 XLR will operate using the batteries in it.

5. Use a USB (Type-C) cable to connect the H1 XLR with a computer, smartphone or tablet.
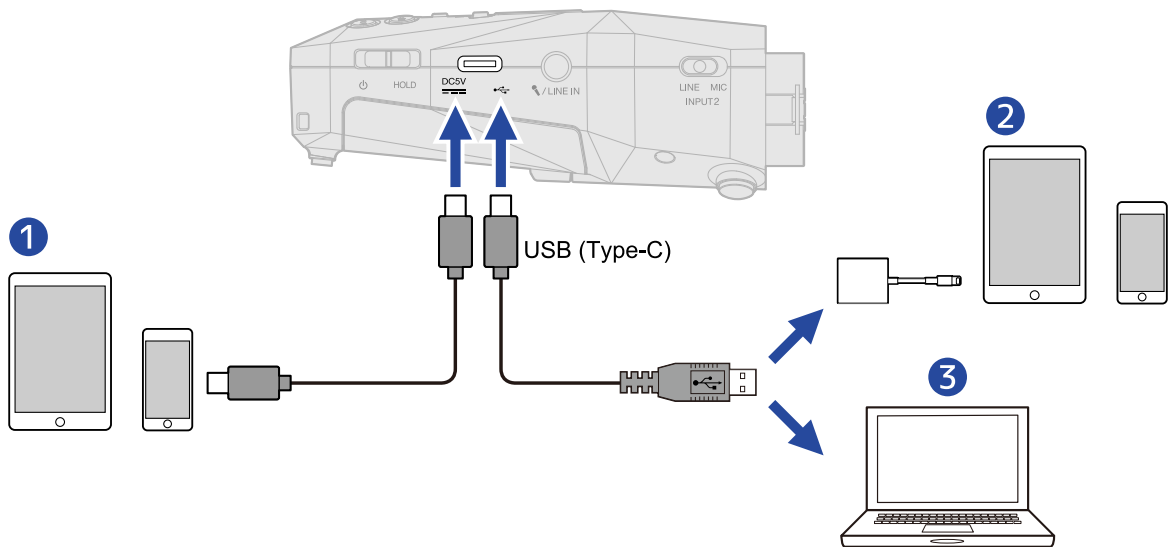
❶ Smartphone/tablet (USB Type-C)

❷ Smartphone/tablet (Lightning)

❸ Computer (Windows/Mac)

> **NOTE**
>
> - Use a USB cable that supports data transfer.
> - A Lightning to USB 3 Camera Adapter is necessary to connect to an iPhone/iPad with a Lighting connector.

6. Use the computer, smartphone or tablet to work with the files saved on the microSD card.

Disconnecting from computers, smartphones and tablets

1. Conduct disconnection procedures on the computer, smartphone or tablet.

- Windows:
  Select the H1 XLR from "Safely Remove Hardware".

- macOS:
  Drag the H1 XLR icon to the Trash and drop it.

- Smartphone/tablet:
  See the operation manual for the device.

2. Press `BACK` (operation button 1).
This opens a confirmation screen.

3. Use `▲` (operation button 2) and `▼` (operation button 3) to select "Exit File Transfer", and press `✔` (operation button 4) to confirm.

```
┌─────────────────────────┐
│      File Transfer      │
├─────────────────────────┤
│ Exit File Transfer      │
│ Back                    │
│                         │
│ BACK   ▲     ▼     ✔    │
└─────────────────────────┘
```
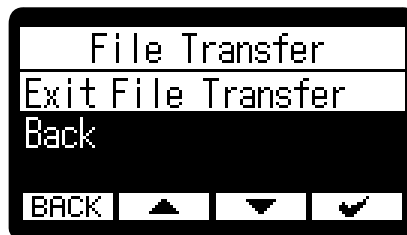
The Home Screen will reopen.

Managing microSD cards

Formatting microSD cards

To maximize the performance of a microSD card, use the H1 XLR to format it.

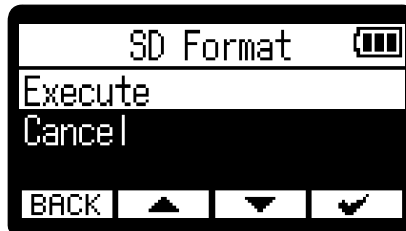**1.** Press [MENU] (MENU button) when the Home Screen is open.
This opens the Menu Screen.

2. Use [▲] (operation button 2) and [▼] (operation button 3) to select "SD Card", and press [ENTER] (operation button 4) to confirm.

```
┌─────────────────────────┐
│      Menu          ▇▇▇  │
│ Output Settings       ▌ │
│ USB                     │
│ SD Card                 │
│ BACK │ ▲ │ ▼ │ ENTER    │
└─────────────────────────┘
```

3. Use [▲] (operation button 2) and [▼] (operation button 3) to select "SD Format", and press [ENTER] (operation button 4) to confirm.
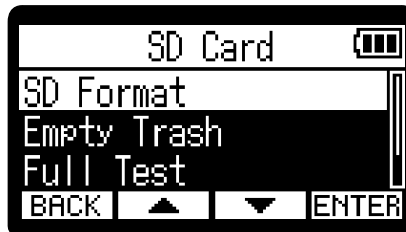
```
┌─────────────────────────┐
│     SD Card        ▇▇▇  │
│ SD Format             ▌ │
│ Empty Trash             │
│ Full Test               │
│ BACK │ ▲ │ ▼ │ ENTER    │
└─────────────────────────┘
```

4. Use [▲] (operation button 2) and [▼] (operation button 3) to select "Execute", and press [✔] (operation button 4) to confirm.

```
┌─────────────────────────┐
│     SD Format      ▇▇▇  │
│ Execute                 │
│ Cancel                  │
│                         │
│ BACK │ ▲ │ ▼ │ ✔        │
└─────────────────────────┘
```
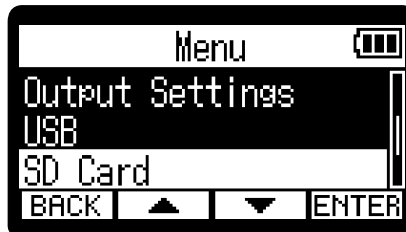
This formats the microSD card.

Testing microSD cards

The writing speed of microSD cards can be tested to check if performance is good enough to save the data recorded by the H1 XLR.
A Quick Test can be done in a short amount of time, while a Full Test examines the entire microSD card.

Conducting a quick test

1. Press ⬚MENU⬚ (MENU button) when the Home Screen is open.
This opens the Menu Screen.

2. Use ⬚▲⬚ (operation button 2) and ⬚▼⬚ (operation button 3) to select "SD Card", and press ⬚ENTER⬚ (operation button 4) to confirm.

```
┌──────────────────────────┐
│      Menu         (IIII)  │
│ ┌──────────────────────┐  │
│ │Output Settings     █ │  │
│ │USB                   │  │
│ │SD Card               │  │
│ │BACK │  ▲  │  ▼  │ENTER│  │
└──────────────────────────┘
```

3. Use ⬚▲⬚ (operation button 2) and ⬚▼⬚ (operation button 3) to select "Quick Test", and press ⬚ENTER⬚ (operation button 4) to confirm.
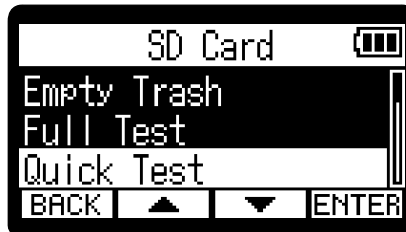
```
┌──────────────────────────┐
│     SD Card       (IIII)  │
│ ┌──────────────────────┐  │
│ │Empty Trash         █ │  │
│ │Full Test             │  │
│ │Quick Test            │  │
│ │BACK │  ▲  │  ▼  │ENTER│  │
└──────────────────────────┘
```

4. Use ⬚▲⬚ (operation button 2) and ⬚▼⬚ (operation button 3) to select "Execute", and press ⬚✔⬚ (operation button 4) to confirm.
The card performance test will start.

```
┌──────────────────────────┐
│    Quick Test     (IIII)  │
│ Execute                   │
│ Cancel                    │
│                           │
│ BACK │  ▲  │  ▼  │  ✔  │  │
└──────────────────────────┘
```
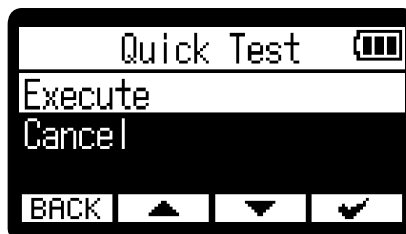
The result of the test will be shown when it completes.
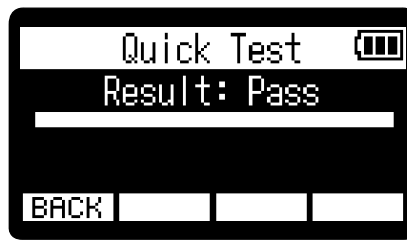
> **NOTE**
>
> Even if a performance test result is "Pass", there is no guarantee that writing errors will not occur. This information is just to provide guidance.

HINT

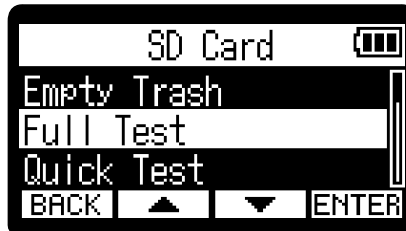During a test, BACK (operation button 1) can be pressed to stop it.

Conducting a full test

1. Press ⬛MENU⬛ (MENU button) when the Home Screen is open.
This opens the Menu Screen.

2. Use ⬛▲⬛ (operation button 2) and ⬛▼⬛ (operation button 3) to select "SD Card", and press
⬛ENTER⬛ (operation button 4) to confirm.

```
┌──────────────────────────┐
│      Menu         ▥▥▥▥   │
├──────────────────────────┤
│ Output Settings        ▮ │
│ USB                      │
│ SD Card                ▮ │
│ BACK │  ▲  │  ▼  │ ENTER │
└──────────────────────────┘
```

3. Use ⬛▲⬛ (operation button 2) and ⬛▼⬛ (operation button 3) to select "Full Test", and press
⬛ENTER⬛ (operation button 4) to confirm.

```
┌──────────────────────────┐
│     SD Card       ▥▥▥▥   │
├──────────────────────────┤
│ Empty Trash            ▮ │
│ Full Test                │
│ Quick Test             ▮ │
│ BACK │  ▲  │  ▼  │ ENTER │
└──────────────────────────┘
```
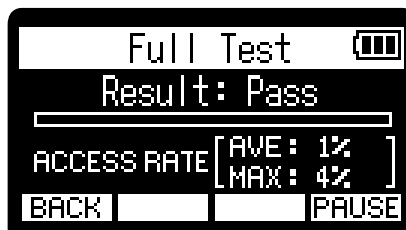
The amount of time required for the full test will be shown.

4. Use ⬛▲⬛ (operation button 2) and ⬛▼⬛ (operation button 3) to select "Execute", and press
⬛✔⬛ (operation button 4) to confirm.
The card performance test will start.

```
┌──────────────────────────┐
│    Full Test      ▥▥▥▥   │
├──────────────────────────┤
│ Execute                  │
│ Cancel                   │
│    Estimate:7h22m        │
│ BACK │  ▲  │  ▼  │  ✔   │
└──────────────────────────┘
```
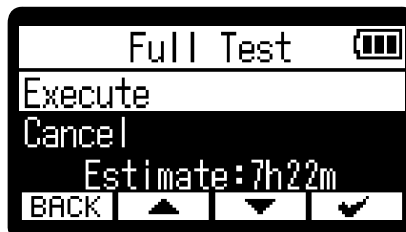
The result of the test will be shown when it completes.
If Access Rate Max. reaches 100%, the card will fail (NG).

```
┌──────────────────────────┐
│    Full Test      ▥▥▥▥   │
├──────────────────────────┤
│    Result: Pass          │
│ ▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭      │
│              ┌AVE: 1% ┐  │
│ ACCESS RATE  └MAX: 4% ┘  │
│ BACK │      │     │ PAUSE │
└──────────────────────────┘
```

NOTE

Even if a performance test result is "Pass", there is no guarantee that writing errors will not occur. This information is just to provide guidance.

HINT

Press PAUSE (operation button 4) to pause a test and RESTART (operation button 4) to resume it.

During a test, use BACK (operation button 1) to cancel it.

Deleting files in the Trash folder

Files moved to the trash can be deleted to empty the trash and increase open space on the SD card.

1. Press ⬚MENU⬚ (MENU button) when the Home Screen is open.
This opens the Menu Screen.

2. Use ⬚▲⬚ (operation button 2) and ⬚▼⬚ (operation button 3) to select "SD Card", and press ⬚ENTER⬚ (operation button 4) to confirm.

```
        Menu          ▥
Output Settings      ▮
USB
SD Card
 BACK    ▲    ▼   ENTER
```
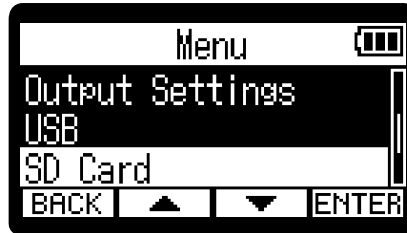
3. Use ⬚▲⬚ (operation button 2) and ⬚▼⬚ (operation button 3) to select "Empty Trash", and press ⬚ENTER⬚ (operation button 4) to confirm.
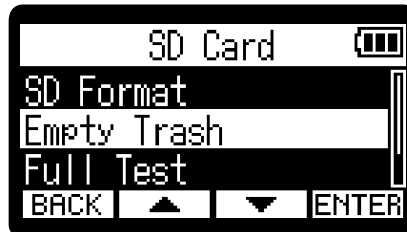
```
       SD Card        ▥
SD Format            ▮
Empty Trash
Full Test
 BACK    ▲    ▼   ENTER
```

4. Use ⬚▲⬚ (operation button 2) and ⬚▼⬚ (operation button 3) to select "Execute", and press ⬚✔⬚ (operation button 4) to confirm.

```
     Empty Trash      ▥
Execute
Cancel

 BACK    ▲    ▼    ✔
```

This deletes all files in the trash.

> **NOTE**
> This operation cannot be undone. Be certain beforehand.
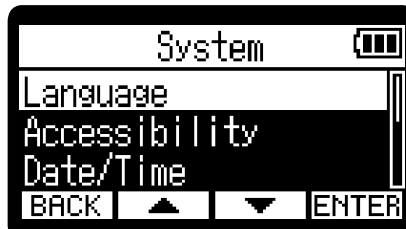
Making various settings

Setting the language shown

The language used on the H1 XLR screens can be changed.

1. Press ☐MENU☐ (MENU button) when the Home Screen is open.
This opens the Menu Screen.

2. Use ☐▲☐ (operation button 2) and ☐▼☐ (operation button 3) to select "System", and press ☐ENTER☐ (operation button 4) to confirm.

```
┌─────────────────────────────┐
│      Menu          (IIII)    │
│ USB                         ┌┐│
│ SD Card                     │││
│ System                      └┘│
│ BACK │ ▲ │ ▼ │ ENTER        │
└─────────────────────────────┘
```

3. Use ☐▲☐ (operation button 2) and ☐▼☐ (operation button 3) to select "Language" and press ☐ENTER☐ (operation button 4) to confirm.

```
┌─────────────────────────────┐
│     System         (IIII)    │
│ Language                    ┌┐│
│ Accessibility               │││
│ Date/Time                   └┘│
│ BACK │ ▲ │ ▼ │ ENTER        │
└─────────────────────────────┘
```

4. Use ☐▲☐ (operation button 2) and ☐▼☐ (operation button 3) to select the language to use on screens, and press ☐✔☐ (operation button 4) to confirm selection.

```
┌─────────────────────────────┐
│     Language       (IIII)    │
│ ✔English                    ┌┐│
│  Français                   │││
│  Deutsch                    └┘│
│ BACK │ ▲ │ ▼ │ ✔            │
└─────────────────────────────┘
```

HINT
The first time you turn the power on after purchase or restoring default settings, this screen opens automatically after setting the guide sound.

Setting the date and time

Use this to set the date used for file names and the date and time added as data to recording files.

1. Press ⌷MENU⌷ (MENU button) when the Home Screen is open.
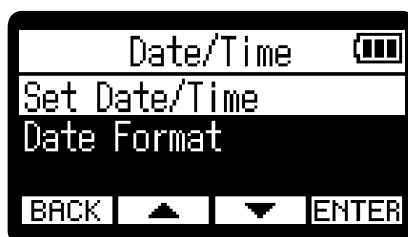This opens the Menu Screen.

2. Use ⌷▲⌷ (operation button 2) and ⌷▼⌷ (operation button 3) to select "System", and press ⌷ENTER⌷ (operation button 4) to confirm.

```
       Menu        ▥
USB
SD Card
System
BACK   ▲    ▼   ENTER
```

3. Use ⌷▲⌷ (operation button 2) and ⌷▼⌷ (operation button 3) to select "Date/Time", and press ⌷ENTER⌷ (operation button 4) to confirm it.

```
       System      ▥
Language
Accessibility
Date/Time
BACK   ▲    ▼   ENTER
```
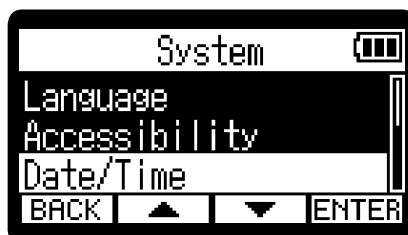
4. Use ⌷▲⌷ (operation button 2) and ⌷▼⌷ (operation button 3) to select "Set Date/Time" and press ⌷ENTER⌷ (operation button 4) to confirm.

```
     Date/Time     ▥
Set Date/Time
Date Format

BACK   ▲    ▼   ENTER
```

5. Use ⌷◀⌷ (operation button 2) and ⌷▶⌷ (operation button 3) to select the desired setting item, and press ⌷ENTER⌷ (operation button 4) to confirm selection.

```
   Set Date/Time   ▥
  YYYY    MM    DD
[2024] / 07 / 21
   06 : 29  [OK]
BACK   ◀    ▶   ENTER
```

6. Use ⬜▲ (operation button 2) and ⬜▼ (operation button 3) to change the value, and press ⬜✔ (operation button 4) to confirm it.

```
┌─────────────────────────┐
│   Set Date/Time   [▥]   │
│  YYYY      MM     DD     │
│  2024⇕/ 07 / 21         │
│     06 : 29  [OK]       │
│ BACK │ - │ + │ ✔ │      │
└─────────────────────────┘
```

7. Repeat steps 5–6 to set the date and time.

8. After setting all items, use ⬜◀ (operation button 2) and ⬜▶ (operation button 3) to select [OK] (OK button on screen), and press ⬜✔ (operation button 4) to confirm them.
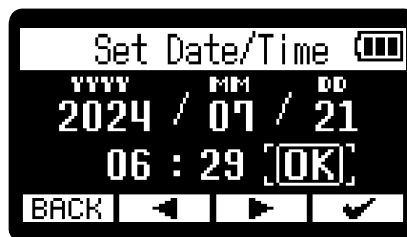
```
┌─────────────────────────┐
│   Set Date/Time   [▥]   │
│  YYYY      MM     DD     │
│  2024 / 07 / 21         │
│     06 : 29  [OK]       │
│ BACK │ ◀ │ ▶ │ ✔ │      │
└─────────────────────────┘
```

HINT

The first time you turn the power on after purchase or restoring default settings, this screen opens automatically after setting the date format.

Setting the date format

The date format can be changed. This date format is used for file names and as data added to recording files.

1. Press `MENU` (MENU button) when the Home Screen is open.
This opens the Menu Screen.

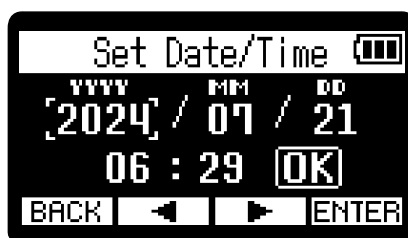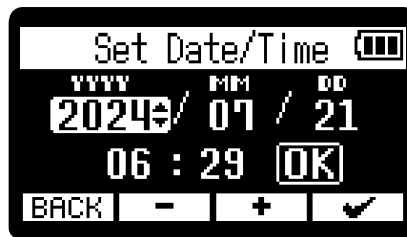**2.** Use `▲` (operation button 2) and `▼` (operation button 3) to select "System", and press `ENTER` (operation button 4) to confirm.

```
        Menu          ▥
USB
SD Card
System
 BACK │  ▲  │  ▼  │ENTER
```

3. Use `▲` (operation button 2) and `▼` (operation button 3) to select "Date/Time", and press `ENTER` (operation button 4) to confirm it.

```
       System         ▥
Language
Accessibility
Date/Time
 BACK │  ▲  │  ▼  │ENTER
```
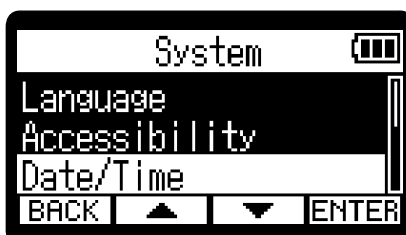
4. Use `▲` (operation button 2) and `▼` (operation button 3) to select "Date Format", and press `ENTER` (operation button 4) to confirm.
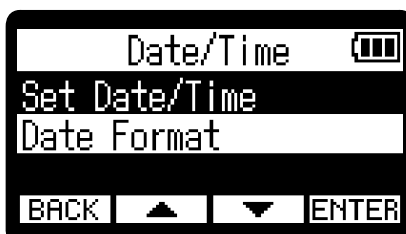
```
      Date/Time        ▥
Set Date/Time
Date Format

 BACK │  ▲  │  ▼  │ENTER
```

5. Use `▲` (operation button 2) and `▼` (operation button 3) to select the date format, and press `✔` (operation button 4) to confirm.
A specific example of the set date format will be shown at the bottom of the screen using the current date setting.

Date Format

YYMMDD

2024/07/21

BACK ▲ ▼ ✔
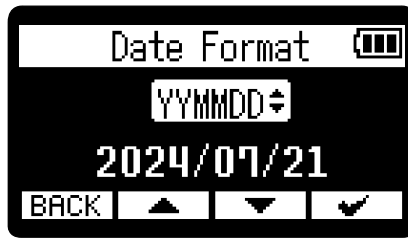
Setting	Explanation
YYMMDD	The date is shown in year, month, day order.
MMDDYY	The date is shown in month, day, year order.
DDMMYY	The date is shown in day, month, year order.

HINT

The first time you turn the power on after purchase or restoring default settings, this screen opens automatically after setting the language shown.

Setting the display brightness

The brightness of the display can be adjusted if it is difficult to see because it is too bright or too dim.

1. Press [MENU] (MENU button) when the Home Screen is open.
This opens the Menu Screen.

2. Use [▲] (operation button 2) and [▼] (operation button 3) to select "System", and press [ENTER] (operation button 4) to confirm.

```
        Menu        (▥)
USB
SD Card
System
BACK    ▲    ▼    ENTER
```

3. Use [▲] (operation button 2) and [▼] (operation button 3) to select "Display", and press [ENTER] (operation button 4) to confirm.

```
       System       (▥)
Accessibility
Date/Time
Display
BACK    ▲    ▼    ENTER
```
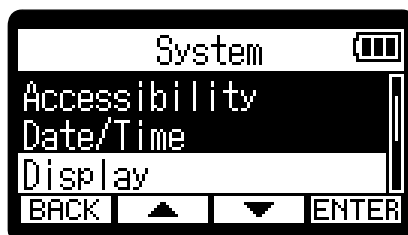
4. Use [▲] (operation button 2) and [▼] (operation button 3) to select "Brightness", and press [ENTER] (operation button 4) to confirm.

```
       Display      (▥)
Brightness
Power Saving

BACK    ▲    ▼    ENTER
```

5. Use [▲] (operation button 2) and [▼] (operation button 3) to set the display brightness, and press [✔] (operation button 4) to confirm.

```
      Brightness    (▥)
  Dark
  Medium
✔Bright
BACK    ▲    ▼    ✔
```

Setting	Explanation
Dark	The display backlight will always be dark.
Medium	The display brightness will be normal.
Bright	The display will be even brighter.

Setting display power saving

In order to conserve energy, the display backlight can be set to dim if no operation is conducted for a specific amount of time.

1. Press `MENU` (MENU button) when the Home Screen is open.
This opens the Menu Screen.

2. Use `▲` (operation button 2) and `▼` (operation button 3) to select "System", and press `ENTER` (operation button 4) to confirm.

```
         Menu        ▊
 USB
 SD Card
 System
 BACK    ▲    ▼   ENTER
```

3. Use `▲` (operation button 2) and `▼` (operation button 3) to select "Display", and press `ENTER` (operation button 4) to confirm.

```
        System       ▊
 Accessibility
 Date/Time
 Display
 BACK    ▲    ▼   ENTER
```

**4.** Use `▲` (operation button 2) and `▼` (operation button 3) to select "Power Saving" and press `ENTER` (operation button 4) to confirm.

```
        Display      ▊
 Brightness
 Power Saving

 BACK    ▲    ▼   ENTER
```
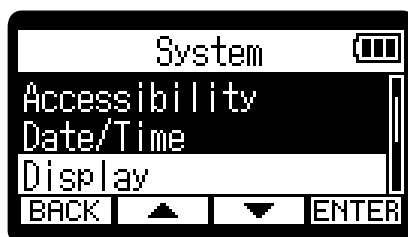
5. Use `▲` (operation button 2) and `▼` (operation button 3) to select "Power Save Time", and press `ENTER` (operation button 4) to confirm.

```
      Power Saving   ▊
 Power Save Time
 Turn Off Rec Screen

 BACK    ▲    ▼   ENTER
```

6. Use ⬆ (operation button 2) and ⬇ (operation button 3) to set the power save time, and press ✔ (operation button 4) to confirm.

```
Power Save Time 🔋
  30 sec
✔ 1 min
  3 min
BACK   ▲    ▼    ✔
```

Setting	Explanation
30 sec, 1 min, 3 min, 5 min	The display backlight will dim after the set time has elapsed without any operation.
Off	The display backlight always stays bright.

NOTE
The display can also be dimmed while recording if the time set in step 6 passes. (→ Dimming the display while recording)

Dimming the display while recording

The display can be dimmed while recording if the "Power Save Time" set in "Setting display power saving" is enabled.

1. Press MENU (MENU button) when the Home Screen is open.
This opens the Menu Screen.

2. Use ▲ (operation button 2) and ▼ (operation button 3) to select "System", and press ENTER (operation button 4) to confirm.

```
┌─────────────────────────┐
│       Menu        ▭▯     │
│ USB                      │
│ SD Card                  │
│ System                   │
│ BACK    ▲      ▼    ENTER│
└─────────────────────────┘
```

3. Use ▲ (operation button 2) and ▼ (operation button 3) to select "Display", and press ENTER (operation button 4) to confirm.

```
┌─────────────────────────┐
│      System       ▭▯     │
│ Accessibility            │
│ Date/Time                │
│ Display                  │
│ BACK    ▲      ▼    ENTER│
└─────────────────────────┘
```

4. Use ▲ (operation button 2) and ▼ (operation button 3) to select "Power Saving" and press ENTER (operation button 4) to confirm.

```
┌─────────────────────────┐
│      Display      ▭▯     │
│ Brightness               │
│ Power Saving             │
│                          │
│ BACK    ▲      ▼    ENTER│
└─────────────────────────┘
```
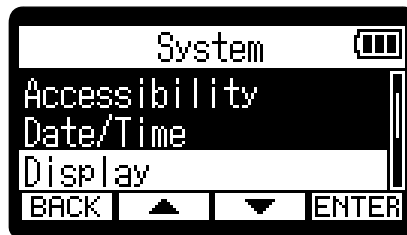
5. Use ▲ (operation button 2) and ▼ (operation button 3) to select "Turn Off Rec Screen", and press ENTER (operation button 4) to confirm.
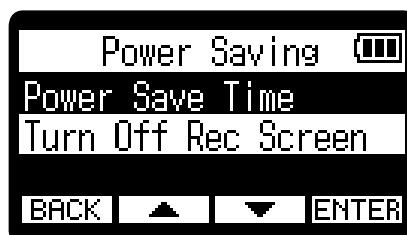
```
┌─────────────────────────┐
│    Power Saving   ▭▯     │
│ Power Save Time          │
│ Turn Off Rec Screen      │
│                          │
│ BACK    ▲      ▼    ENTER│
└─────────────────────────┘
```

6. Use ⬛ (operation button 2) and ⬛ (operation button 3) to select "On", and press ⬛ (operation button 4) to confirm.

```
Turn Off Rec Scree🔋
✔Off
 On

BACK    ▲    ▼    ✔
```

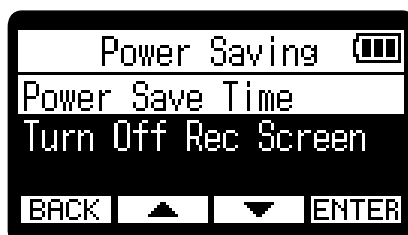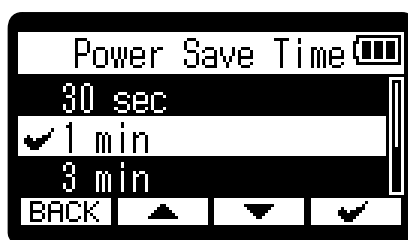| Setting	Explanation
Off	The display will not dim while recording.
On	The display will dim if no operation is conducted for the set amount of time while recording.

Setting the type of batteries used

Set the type of batteries used by the H1 XLR so that the amount of remaining battery charge can be shown accurately.

1. Press ⟦MENU⟧ (MENU button) when the Home Screen is open.
This opens the Menu Screen.

2. Use ⟦▲⟧ (operation button 2) and ⟦▼⟧ (operation button 3) to select "System", and press ⟦ENTER⟧ (operation button 4) to confirm.

```
┌─────────────────────────┐
│       Menu        ▞▞▞   │
├─────────────────────────┤
│ USB                   ▐ │
│ SD Card               ▐ │
│ System                ▐ │
│ BACK    ▲    ▼   ENTER   │
└─────────────────────────┘
```

3. Use ⟦▲⟧ (operation button 2) and ⟦▼⟧ (operation button 3) to select "Power", and press ⟦ENTER⟧ (operation button 4) to confirm.

```
┌─────────────────────────┐
│      System       ▞▞▞   │
├─────────────────────────┤
│ Date/Time             ▐ │
│ Display               ▐ │
│ Power                 ▐ │
│ BACK    ▲    ▼   ENTER   │
└─────────────────────────┘
```
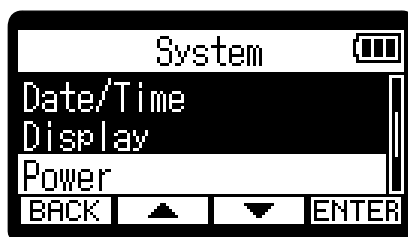
4. Use ⟦▲⟧ (operation button 2) and ⟦▼⟧ (operation button 3) to select "Battery Type", and press ⟦ENTER⟧ (operation button 4) to confirm.
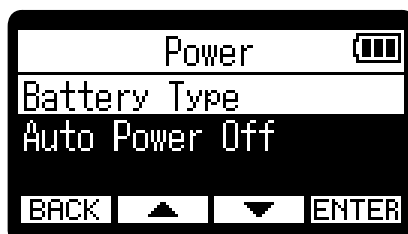
```
┌─────────────────────────┐
│       Power       ▞▞▞   │
├─────────────────────────┤
│ Battery Type             │
│ Auto Power Off           │
│                          │
│ BACK    ▲    ▼   ENTER   │
└─────────────────────────┘
```

5. Use ⟦▲⟧ (operation button 2) and ⟦▼⟧ (operation button 3) to select the type of battery used, and press ⟦✔⟧ (operation button 4) to confirm it.

```
┌─────────────────────────┐
│    Battery Type   ▞▞▞   │
├─────────────────────────┤
│ ✔Alkaline                │
│  Ni-MH                   │
│  Lithium                 │
│ BACK    ▲    ▼     ✔     │
└─────────────────────────┘
```

Setting	Explanation
Alkaline	Alkaline batteries
Ni-MH	Nickel-metal hydride batteries
Lithium	Lithium batteries

HINT
The first time you turn the power on after purchase or restoring default settings, the battery type setting appears automatically after setting the date and time.

Setting the time until the power turns off automatically

The H1 XLR can be set so that its power will automatically turn off if it is not used for a set amount of time. To keep the power on at all times, turn off the automatic power saving setting.

1. Press ⬚MENU⬚ (MENU button) when the Home Screen is open.
This opens the Menu Screen.

2. Use ⬚▲⬚ (operation button 2) and ⬚▼⬚ (operation button 3) to select "System", and press ⬚ENTER⬚ (operation button 4) to confirm.

```
┌─────────────────────────┐
│ Menu          ▄▄▄ │
│ USB                     │
│ SD Card                 │
│ System                  │
│ BACK │ ▲ │ ▼ │ ENTER │
└─────────────────────────┘
```

3. Use ⬚▲⬚ (operation button 2) and ⬚▼⬚ (operation button 3) to select "Power", and press ⬚ENTER⬚ (operation button 4) to confirm.

```
┌─────────────────────────┐
│ System        ▄▄▄ │
│ Date/Time               │
│ Display                 │
│ Power                   │
│ BACK │ ▲ │ ▼ │ ENTER │
└─────────────────────────┘
```
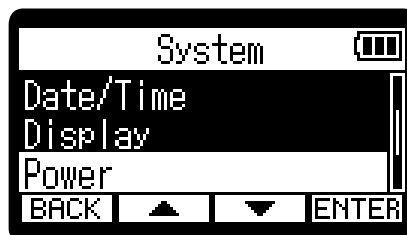
4. Use ⬚▲⬚ (operation button 2) and ⬚▼⬚ (operation button 3) to select "Auto Power Off", and press ⬚ENTER⬚ (operation button 4) to confirm.

```
┌─────────────────────────┐
│ Power         ▄▄▄ │
│ Battery Type            │
│ Auto Power Off          │
│                         │
│ BACK │ ▲ │ ▼ │ ENTER │
└─────────────────────────┘
```

5. Use ⬚▲⬚ (operation button 2) and ⬚▼⬚ (operation button 3) to select the time until the power turns off, and press ⬚✔⬚ (operation button 4) to confirm.

```
┌─────────────────────────┐
│ Auto Power Off ▄▄▄ │
│    10 min               │
│    60 min               │
│ ✔ 10 hour               │
│ BACK │ ▲ │ ▼ │ ✔ │
└─────────────────────────┘
```

Setting	Explanation
Off	The power will not turn off automatically.
10 min, 60 min, 10 hour	The power will automatically turn off if no operation occurs for the set time.

NOTE

The power will not turn off automatically under the following conditions regardless of the Auto Power Off setting.

- During recording or playback
- When the H1 XLR is in use as an audio interface
- When the H1 XLR file transfer function is in use
- During card tests
- During execution of firmware updates

Using the guide sound accessibility feature

Setting the guide sound (Accessibility)

With this function, the names of selected setting items can be read aloud and a beeping sound can be used to notify the occurrence of error messages, and recording starting/stopping, for example.

1. Press ⌷MENU⌷ (MENU button) when the Home Screen is open.
This opens the Menu Screen.

2. Use ⌷▲⌷ (operation button 2) and ⌷▼⌷ (operation button 3) to select "System", and press ⌷ENTER⌷ (operation button 4) to confirm.

```
          Menu        ▆
USB
SD Card
System
BACK    ▲      ▼    ENTER
```

3. Use ⌷▲⌷ (operation button 2) and ⌷▼⌷ (operation button 3) to select "Accessibility", and press ⌷ENTER⌷ (operation button 4) to confirm.

```
         System       ▆
Language
Accessibility
Date/Time
BACK    ▲      ▼    ENTER
```
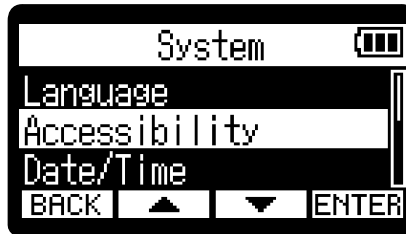
4. Use ⌷▲⌷ (operation button 2) and ⌷▼⌷ (operation button 3) to select "Guide Sound", and press ⌷ENTER⌷ (operation button 4) to confirm.

```
      Accessibility  ▆
Guide Sound
Volume
Version
BACK    ▲      ▼    ENTER
```

5. Use ▲ (operation button 2) and ▼ (operation button 3) to select a setting, and press ✔ (operation button 4) to confirm it.

```
┌─────────────────────────┐
│    Guide Sound    ▥     │
│ ✔ENG + Beep             │
│   Beep Only             │
│   Off                   │
│ BACK │ ▲ │ ▼ │ ✔ │      │
└─────────────────────────┘
```

Setting	Explanation
ABC + Beep ("ABC" shows the installed language.)	Setting items will be read aloud in the installed language. A beeping sound will be used to notify the occurrence of error messages, recording starting/stopping and volume adjustment, for example. English is installed at the time of purchase, but other languages can be installed and used for reading as desired. (→ Installing guide sounds)
Beep Only	A beeping sound will be used to notify when error messages occur, recording starts/stops and the volume changes, for example. Nothing will be read aloud.
Off	This turns off the guide sound.

NOTE

- The volume of the reading voice and beep sounds can also be adjusted. (→ Setting the guide sound volume)
- The language and version used for the guide sound can be checked on the Version Screen. (→ Checking guide sound information)

HINT

- The first time you turn the power on after purchase, this screen opens automatically.
- The guide sound can be turned on/off immediately by pressing and holding [MENU] (MENU button). (→ Turning the guide sound on/off with a shortcut)

Setting the guide sound volume

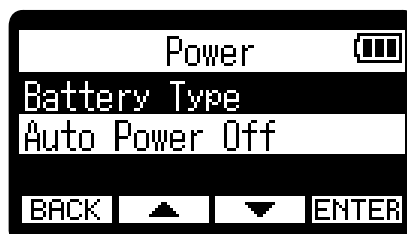The volume of the reading voice and beep sounds can be adjusted.

1. Press `MENU` (MENU button) when the Home Screen is open.
This opens the Menu Screen.

2. Use `▲` (operation button 2) and `▼` (operation button 3) to select "System", and press `ENTER` (operation button 4) to confirm.

```
           Menu       (IIII)
USB
SD Card
System
BACK    ▲    ▼   ENTER
```
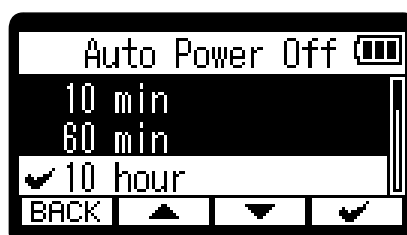
3. Use `▲` (operation button 2) and `▼` (operation button 3) to select "Accessibility", and press `ENTER` (operation button 4) to confirm.

```
          System      (IIII)
Language
Accessibility
Date/Time
BACK    ▲    ▼   ENTER
```
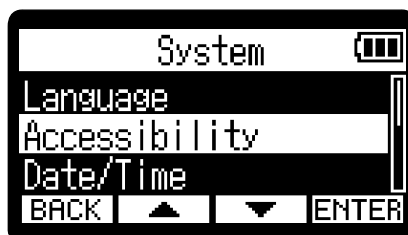
4. Use `▲` (operation button 2) and `▼` (operation button 3) to select "Volume", and press `ENTER` (operation button 4) to confirm.

```
        Accessibility (IIII)
Guide Sound
Volume
Version
BACK    ▲    ▼   ENTER
```

5. Use `▲` (operation button 2) and `▼` (operation button 3) to select the volume, and press `✔` (operation button 4) to confirm.

```
          Volume      (IIII)
   Quiet
 ✔Mild
   Loud
BACK    ▲    ▼    ✔
```

The volume can be set to Quiet, Mild or Loud.

NOTE

The volume determined here is also affected before output by adjustments made using (VOLUME). Consider volume adjustments using (VOLUME) when making this setting.
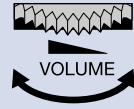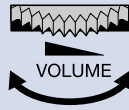
Checking guide sound information

The language and version used for the accessibility guide sounds can be checked.

1. Press ⟦MENU⟧ (MENU button) when the Home Screen is open.
This opens the Menu Screen.

2. Use ⟦▲⟧ (operation button 2) and ⟦▼⟧ (operation button 3) to select "System", and press
⟦ENTER⟧ (operation button 4) to confirm.

```
       Menu        (IIII)
USB
SD Card
System
BACK │ ▲ │ ▼ │ENTER
```

3. Use ⟦▲⟧ (operation button 2) and ⟦▼⟧ (operation button 3) to select "Accessibility", and press
⟦ENTER⟧ (operation button 4) to confirm.

```
      System       (IIII)
Language
Accessibility
Date/Time
BACK │ ▲ │ ▼ │ENTER
```

4. Use ⟦▲⟧ (operation button 2) and ⟦▼⟧ (operation button 3) to select "Version", and press
⟦ENTER⟧ (operation button 4) to confirm.
This opens the Version Screen where the language and version used for the accessibility guide sounds
can be checked.

```
 Accessibility (IIII)        │        Version
Guide Sound                  │  Language  : ENG
Volume                       │  Version   : 1.00
Version                      │
BACK │ ▲ │ ▼ │ENTER          │  BACK │  │  │
```

Turning the guide sound on/off with a shortcut

This function allows the guide sound to be turned on/off anytime to suit the use situation.

1. When the Home Screen is open, press and hold MENU (MENU button).
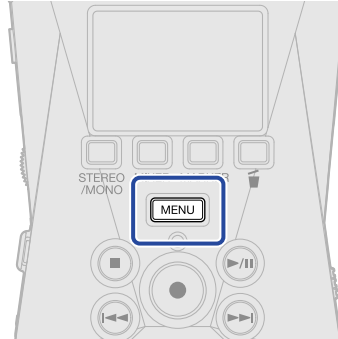
This turns on/off the guide sound.
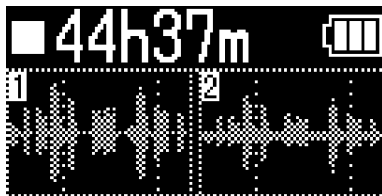
Home Screen

A notification about the
switch will be shown (and
announced with the guide sound).

Installing guide sounds

The guide sound language is English at the time of purchase.

Guide sound installation can be used to change the language and update the feature.

Download the most recent accessibility installation file necessary to install the guide sound from the ZOOM website (zoomcorp.com/help/h1xlr).https://zoomcorp.com/help/h1xlr/

Follow the instructions in the "H1 XLR Accessibility Installation Guide" on the H1 XLR download page.

Restoring the factory default state

The settings of the H1 XLR can be restored to their factory defaults.

1. Press ⌈MENU⌋ (MENU button) when the Home Screen is open.
This opens the Menu Screen.

2. Use ⌈▲⌋ (operation button 2) and ⌈▼⌋ (operation button 3) to select "System", and press ⌈ENTER⌋ (operation button 4) to confirm.

```
          Menu        ▥
USB
SD Card
System
 BACK    ▲     ▼   ENTER
```

3. Use ⌈▲⌋ (operation button 2) and ⌈▼⌋ (operation button 3) to select "Reset all settings", and press ⌈ENTER⌋ (operation button 4) to confirm it.
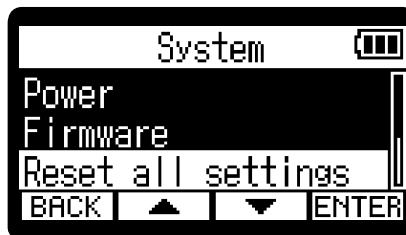
```
         System       ▥
Power
Firmware
Reset all settings
 BACK    ▲     ▼   ENTER
```

4. Use ⌈▲⌋ (operation button 2) and ⌈▼⌋ (operation button 3) to select "Execute", and press ⌈✔⌋ (operation button 4) to confirm.

```
  Reset all setting ▥
Execute
Cancel

 BACK    ▲     ▼     ✔
```

This will restore the H1 XLR to its factory default state and turn the power off.

> **NOTE**
> Initializing settings will overwrite all settings with their factory defaults. Be certain before using this function.

Managing the firmware

Checking the firmware versions

The firmware version used by the H1 XLR can be checked.

1. Press ⬚MENU⬚ (MENU button) when the Home Screen is open.
This opens the Menu Screen.

2. Use ⬚▲⬚ (operation button 2) and ⬚▼⬚ (operation button 3) to select "System", and press ⬚ENTER⬚ (operation button 4) to confirm.

```
        Menu          ▥
USB
SD Card
System
BACK │  ▲  │  ▼  │ENTER
```

3. Use ⬚▲⬚ (operation button 2) and ⬚▼⬚ (operation button 3) to select "Firmware", and press ⬚ENTER⬚ (operation button 4) to confirm.

```
        System        ▥
Power
Firmware
Reset all settings
BACK │  ▲  │  ▼  │ENTER
```
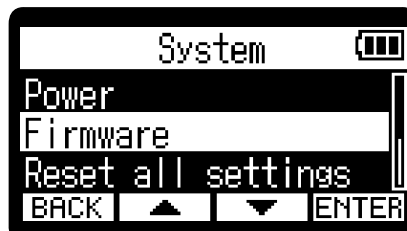
This shows the firmware version.

```
        ZOOM
SYSTEM    :   1.00
BOOT      :   1.00

BACK │      │  ►  │
```

Updating the firmware

The H1 XLR firmware can be updated to the latest version.

Files for the latest firmware updates can be downloaded from the ZOOM website (zoomcorp.com/help/h1xlr).https://zoomcorp.com/help/h1xlr/

Follow the instructions in the "H1 XLR Firmware Update Guide" on the H1 XLR download page.

Checking the latest information for the H1 XLR

A 2D code for help related to the product can be shown on the H1 XLR display.

1. Press ⎡MENU⎤ (MENU button) when the Home Screen is open.
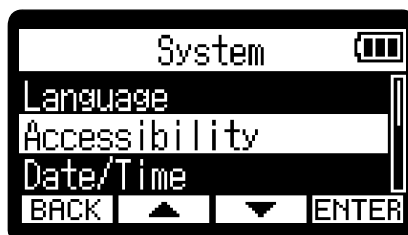This opens the Menu Screen.

2. Use ⎡▲⎤ (operation button 2) and ⎡▼⎤ (operation button 3) to select "Help", and press ENTER (operation button 4) to confirm.
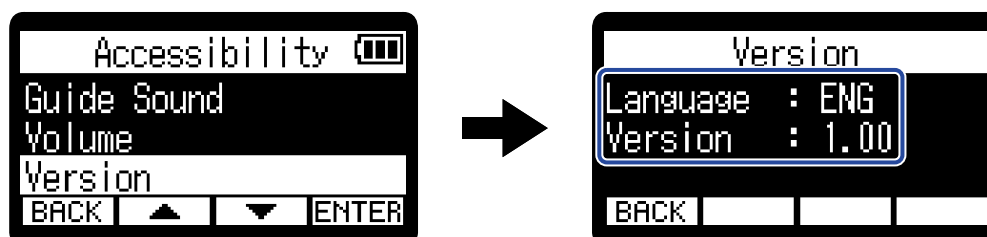
```
┌─────────────────────────┐
│      Menu          ▨    │
│ SD Card                 │
│ System                  │
│ Help                    │
│ BACK │  ▲  │  ▼  │ENTER │
└─────────────────────────┘
```

3. Use a smartphone or tablet, for example, to scan the 2D code shown on the Help Screen.

```
┌─────────────────────────┐
│      Help          ▨    │
│ �▨o   zoomcorp.com      │
│ ▨▨▨   /help/h1xlr       │
│ BACK │     │     │      │
└─────────────────────────┘
```

zoomcorp.com/help/h1xlr

Appendix

Troubleshooting

If you think that the H1 XLR is operating strangely, check the following items first.

Recording/playback trouble

There is no sound or it is very quiet

- Check the orientation of the mic or the volume settings of the connected equipment.
- Confirm that the headphone volume and line output level are not too low. (→ Monitoring input sounds, Adjusting the fixed level)
- Plug-in power must be supplied if the mic connected to the MIC/LINE IN jack supports plug-in power. (→ Using plug-in power)
- Check the phantom power settings. (→ Setting phantom power)
- Check the volume on the Mixer Screen. (→ Adjusting the mix of input sounds, Adjusting the mix of input sounds)

Cannot hear sound from connected equipment/input or the volume is very low

- Check the headphone volume.
- If a CD player or other device is connected to the input jack, raise the output level of that device.
- Check the input signal monitoring settings. (→ Monitoring input sounds)

Monitored sound is distorted

- Use (VOLUME) to adjust the volume.

Recording is not possible

- Confirm that the REC indicator is lit red. (→ Recording)
- Confirm that the microSD card has open space. The available recording time can be checked on screen when recording is paused. (→ Home Screen)
- Confirm that a microSD card is loaded properly in the card slot. (→ Inserting microSD cards)
- Check the volume on the Mixer Screen. (→ Adjusting the mix of input sounds)

Recorded sound cannot be heard or is very quiet

- Confirm that the input source setting is correct for the connected device. (→ Connecting input devices)

"INPUT OVERLOAD!" appears

- The input sound is too loud. Increase the distance between the mic and the sound source.

- Set the MIC/LINE switch to LINE.

- When connecting a line-level device, adjust the volume of the device.

- Wind can also cause loud noises to be input. We recommend using the Lo Cut setting to reduce noise if air is blown directly at the mic, for example, when recording outdoors or when the mic is near the mouth of a speaker. (→ Reducing noise (Lo Cut))

Output volume cannot be adjusted

- Check the "Volume Control" output setting. To use (VOLUME) to adjust the output volume, set it to "Knob". When set to "Fixed", use "Fixed Level" to adjust the volume. (→ Making output settings)

Other trouble

The recorder is not recognized by a computer, smartphone or tablet even though it is connected through the USB port

- Use a USB cable that supports data transfer.

- The operation mode must be set on the H1 XLR to allow the computer, smartphone or tablet to recognize it. (→ Using as an audio interface, Transferring files to computers and other devices)

- Confirm that the computer, smartphone or tablet and the application being used are compatible with 32-bit float format.

- A driver is necessary to use 32-bit float format with Windows. The driver can be downloaded from the ZOOM website (zoomcorp.com/help/h1xlr).https://zoomcorp.com/help/h1xlr

- Even if "H1 XLR" cannot be selected for the "Sound" setting on a computer, it can still be used as a 32-bit float audio interface by selecting "H1 XLR" as the "Audio" or "Input/Output" device in an application that supports 32-bit float format.

Battery operation time is short

Making the following settings could increase the battery operation time.

- Set the type of batteries used correctly. (→ Setting the type of batteries used)

- Reduce the display brightness. (→ Setting the display brightness)

- Set the display to dim when not operated for a specific amount of time. (→ Setting display power saving)

- Reduce the sample rate used to record files. (→ Setting the sample rate)

- Disconnect unnecessary cables from the PHONE/LINE OUT jack.

- Due to their characteristics, using nickel metal hydride batteries (especially high-capacity ones) or lithium batteries should enable longer use than alkaline batteries when power consumption is high.

An accessibility update is recommended

- Use the latest accessibility installation file to update. (→ Installing guide sounds)

H1 XLR metadata lists

Metadata contained in BEXT chunks in WAV files

Tag	Explanation	Remarks
zSCENE=	Scene name	Menu > System > Date/Time
zTAPE=		
zCIRCLED=		
zTRK1=	Track 1 name	Track names are written as follows. zTRK1 = TrMicL, zTRK2 = TrMicR
zTRK2=	Track 2 name	
zNOTE=		

Metadata contained in iXML chunks in WAV files

○ = YES × = NO

iXML master tag	iXML sub tag	Written	Read	Remarks
<PROJECT>		×	×	
<SCENE>		○	×	Menu > System > Date/Time
<TAKE>		○	×	
<TAPE>		×	×	
<CIRCLED>		×	×	
<WILD TRACK>		×	×	
<FALSE START>		×	×	
<NO GOOD>		×	×	
<FILE UID>		○	×	Menu > System > Date/Time
<UBITS>		×	×	
<NOTE>		○	×	
<BEXT>		×	×	
<USER>		×	×	

iXML master tag	iXML sub tag	Written	Read	Remarks
<SPEED>				
<SPEED>	<NOTE>	×	×	
<SPEED>	<MASTER_SPEED>	×	×	
<SPEED>	<CURRENT_SPEED>	×	×	
<SPEED>	<TIMECODE_RATE>	×	×	
<SPEED>	<TIMECODE_FLAG>	×	×	
<SPEED>	<FILE_SAMPLE_RATE>	×	×	
<SPEED>	<AUDIO_BIT_DEPTH>	×	×	
<SPEED>	<DIGITIZER_SAMPLE_RATE>	×	×	
<SPEED>	<TIMESTAMP_SAMPLES_SINCE_MIDNIGHT_HI>	×	×	
<SPEED>	<TIMESTAMP_SAMPLES_SINCE_MIDNIGHT_LO>	×	×	
<SPEED>	<TIMESTAMP_SAMPLE_RATE>	×	×	

iXML master tag	iXML sub tag	Written	Read	Remarks
<SYNC_POINT_LIST>				
<SYNC_POINT>	<SYNC_POINT_TYPE>	×	×	
<SYNC_POINT>	<SYNC_POINT_FUNCTION>	×	×	
<SYNC_POINT>	<SYNC_POINT_COMMENT>	×	×	
<SYNC_POINT>	<SYNC_POINT_LOW>	×	×	
<SYNC_POINT>	<SYNC_POINT_HIGH>	×	×	
<SYNC_POINT>	<SYNC_POINT_EVENT_DURATION>	×	×	

iXML master tag	iXML sub tag	Written	Read	Remarks
<HISTORY>				
<HISTORY>	<ORIGINAL_FILENAME>	○	×	
<HISTORY>	<PARENT_FILENAME>	×	×	
<HISTORY>	<PARENT_UID>	×	×	

iXML master tag	iXML sub tag	Written	Read	Remarks
<FILE_SET>				
<FILE_SET>	<TOTAL_FILES>	○	×	
<FILE_SET>	<FAMILY_UID>	○	×	
<FILE_SET>	<FAMILY_NAME>	×	×	
<FILE_SET>	<FILE_SET_START_TIME_HI>	×	×	
<FILE_SET>	<FILE_SET_START_TIME_LO>	×	×	
<FILE_SET>	<FILE_SET_INDEX>	○	×	

iXML master tag	iXML sub tag	Written	Read	Remarks
<TRACK_LIST>				
<TRACK_LIST>	<TRACK_COUNT>	○	×	
<TRACK>	<CHANNEL_INDEX>	○	×	
<TRACK>	<INTERLEAVE_INDEX>	○	×	
<TRACK>	<NAME>	○	×	
<TRACK>	<FUNCTION>	×	×	

Specifications

Inputs	INPUT 1/2	Connectors	2 XLR/TRS combo jacks (XLR: 2 HOT, TRS: TIP HOT)
		Input gain	Adjustment unnecessary (dual A/D converter circuits used)
		Input impedance	MIC: 2.7 kΩ or more LINE: 1 kΩ or more
		Maximum input level	MIC: +4 dBu LINE: +24 dBu
		Phantom power	+48 V Channel total 10 mA or less
		Equivalent input noise	MIC: –122 dBu or less (IHF-A) at 150Ω input LINE: –100 dBu or less (IHF-A) at 600Ω input
	MIC/LINE IN jack	Connector	Stereo mini jack
		Input impedance	2 kΩ
		Plug-in power	2.5 V
Outputs	PHONE/LINE OUT jack	Connector	Stereo mini jack
		Maximum output level	20 mW + 20 mW (when 32 Ω load)
		Output impedance	10 Ω or less
	Built-in speaker	Type	20 mm × 30 mm elliptical dynamic speaker
		Effective maximum output	250 mW
Recorder		Recording format	WAV 44.1, 48 or 96 kHz / 32-bit float Stereo/mono BWF and iXML formats supported
		Recording media	4–32GB cards compatible with the microSDHC specification 64GB–1TB cards compatible with the microSDXC specification
Display			128×64 OLED
USB	Connector		USB Type-C • Use a USB cable that supports data transfer. USB bus power is supported.
	Audio interface		USB Audio Class 1.0

	Input and output channels		2 in / 2 out (Stereo)
	Sampling frequencies		44.1, 48 kHz
	Bit depths		16-bit, 32-bit float
File transfer			USB 2.0 High Speed
Power			2 AA batteries (alkaline, lithium, or rechargeable NiMH) AC adapter (ZOOM AD-17): DC 5V/1A • USB bus power is supported.
Estimated continuous operation times using batteries • These values are approximate. • Continuous battery operation times were determined using in-house testing methods. They will vary greatly according to use conditions.	INPUT 1 and 2 recording at 48 kHz/32-bit float, phantom power off, no headphones, Power Save Time set to 1 minute		Alkaline batteries: about 12 hours NiMH batteries (1900 mAh): about 11 hours Lithium batteries: about 19 hours
	INPUT 1 and 2 recording at 48 kHz/32-bit float, phantom power on (INPUT 1), no headphones, Power Save Time set to 1 minute		Alkaline batteries: about 4 hours NiMH batteries (1900 mAh): about 3 hours Lithium batteries: about 9 hours
Power consumption			2.5 W maximum
Dimensions			62.1 mm (W) × 107 mm (D) × 39.3 mm (H)
Weight (including batteries)			164 g

Note: 0 dBu = 0.775 Vrms