Handy Recorder H1

Quick Start Guide

Safety and Operation Precautions must be read before using the unit.

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H1-5001-3

Prepare Turning the power on/off

Turning the unit ON and OFF is easy.

1. To turn the unit ON, slide the power switch down for about 1 second.

2. To turn the unit OFF, slide the power switch down for about 1 second again.

Prepare Disabling the buttons

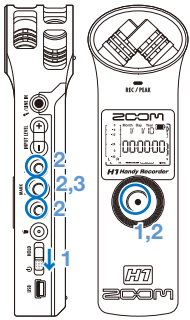
The buttons can be disabled to prevent recording from being stopped accidentally, for example.

1. To disable the buttons, slide the power switch upward to HOLD.

2. To enable use of the buttons again, slide the power switch back to the middle position.

Prepare Setting the date and time

Set the date and time on the unit.



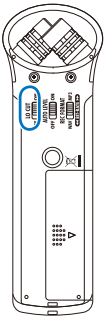
1. While pressing ⏺, turn the power on.
2. Use ◀◀ and ▶▶ to set the value, and press ▶/⏸ to move to the next item.
   • Press ⏺ to return to the previous item.
3. After setting the last item (seconds), press ▶/⏸ to finish.

MEMO

If the date/time setting is initialized, this screen opens automatically.

Prepare Reducing noise

The lo cut filter can be turned ON or OFF. When ON, the sound of wind and other noise can be reduced.

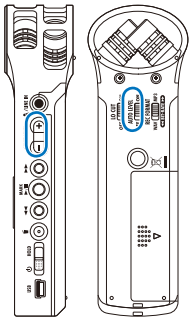


- Slide the LO CUT switch to ON. The LO CUT icon appears on the screen.

Prepare

Adjusting the input level

Adjust the level of the input signal. The unit can also be set to automatic adjustment.



- Use the +/– INPUT LEVEL buttons to adjust the level. For automatic adjustment, set the AUTO level switch to ON.
  - During adjustment, the value is shown on the screen.

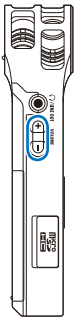
MEMO

When the AUTO level switch is ON, the input level adjustment buttons have no effect.
If the PEAK/REC LED blinks rapidly, the sound might be distorted. In this case, lower the input level.

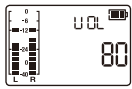
Prepare

Adjusting the output level

Adjust the output level (volume) from the line/headphones output jack and built-in speaker.

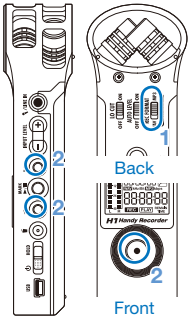


- Use the +/– VOLUME buttons to adjust the level.
  - Press and hold the + or – button to change the value rapidly.



Prepare Setting the recording format

Set the recording format and bit rate.



1. Select MP3 or WAV format.
2. Use ◀◀ and ▶▶ to select the bit rate and press ⏺.
   - The screen shows the remaining recording time for the current bit rate.

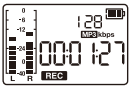
MEMO

Since the MP3 format uses data compression, its sound quality is not as good as WAV format, but it uses less microSD card capacity. For both formats, higher rates provide higher quality.

Operate Recording

After turning on the unit, you can start recording from the home screen with the press of one button.

1. Press ⏺ to start recording.
   - The recording time appears on the screen.



2. Press ⏺ again to stop recording and return to the home screen.

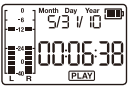
MEMO

If no microSD card is in the unit, you can still record one file of up to 35 seconds using the unit's built-in memory. Be aware that recording again without a card will overwrite the recording already in the built-in memory.

Operate Play

Play back recorded audio.

- Press ▶/II to play the last recorded file.
  - The remaining playback time appears on the screen.



- **Main button functions during playback**

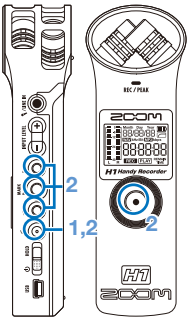
◀◀/▶▶ . . .	Press during playback to select files
▶/II	Press to pause/resume
●	Press to return to the home screen

MEMO

Playback automatically stops after all files have been played.

Operate Delete

You can delete recorded audio files.



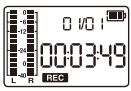
1. Press 🗑 during playback of the file that you want to delete.

2. Press ● to confirm.
   Press ▶/II, ◀◀, ▶▶ or 🗑 to cancel deletion.

Prepare Adding track marks

You can add track marks to a recording.

- During recording, press ▶/II to add a mark at that time.



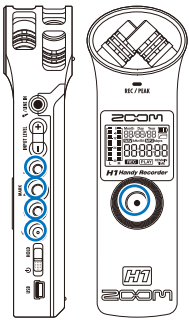
- If a file has marks, you can press ◀◀ and ▶▶ during playback to jump to mark positions.
- Marks can only be added when the recording format is set to WAV.

MEMO

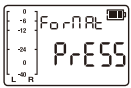
One file can have a maximum of 99 marks.

Prepare Formatting microSD cards

If a microSD card that is not properly formatted is inserted into this unit, the format confirmation screen opens.



1. Press ● to format the card.
   Press ▶/II, ◀◀, ▶▶ or ↩ to cancel.
2. After formatting completes or is cancelled, the home screen reappears.

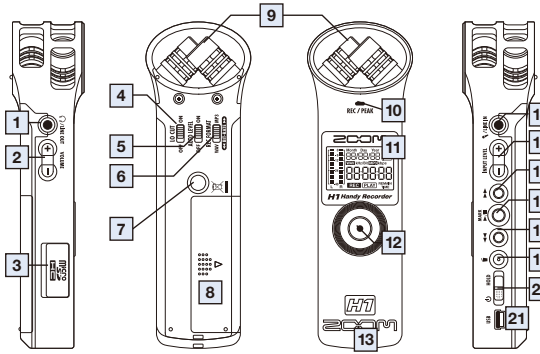


MEMO

You can also open this screen by pressing ↩ while turning the power ON.

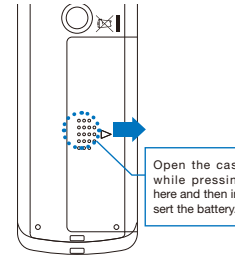
Part names and functions

- Parts of the unit



- Screen indications

- Inserting the battery



Note: Use alkaline or NiMH batteries.

• Parts of the unit

1	Line/headphones output jack	Outputs sound to headphones or external equipment.
2	Volume adjustment buttons	Use to adjust the output level.
3	microSD card slot	Insert a microSD or microSDHC card here for use with the unit.
4	LO CUT switch	Use to turn the low cut filter (noise reduction) ON or OFF.
5	AUTO LEVEL switch	Use to turn automatic recording level adjustment ON or OFF.
6	REC FORMAT switch	Use to select the recording format.
7	Tripod mount	Attach a tripod here to use the unit in a fixed position.
8	Battery compartment cover	Install one AA battery under here.
9	Stereo microphone	Record sound in stereo in a 90° field in front of the unit.
10	Recording/peak indicator	This lights during recording and blinks rapidly if the input signal is too loud (peak detection).
11	Liquid crystal display (LCD)	This shows various information.
12	Record button	Use to start and stop recording, and to confirm file deletion, for example.
13	Built-in speaker (mono)	Use to listen to recordings when not using the line/headphones output jack.
14	Mic/line input jack	Connect and record another device or microphone here. Mics that require plug-in power can be used with this jack.
15	Input level buttons	Use to adjust the recording level manually.
16	Fast forward button	During playback, use to select files and to fast forward. On the home screen, use to set the recording format.
17	Play button	Use to start and stop file playback. On the home screen, use to add track marks.
18	Fast reverse button	During playback, use to select files and fast reverse. On the home screen, use to set the recording format.
19	Delete button	Use to erase files that are not needed.
20	Power button	Turn the power ON/OFF. Set to HOLD to disable other keys.
21	USB jack	Connect to a computer to power the unit by USB or to transfer files between the computer and the card in the unit.

• Screen indications

1	Level meters	These show input and output levels.
2	File/format information	This area shows the recording format and the recording date and file number of the playing file.
3	Battery level indicator	This shows the remaining battery charge. It does not appear when power is being supplied by USB.
4	Time display	This shows the remaining recordable time of the inserted microSD card, the playback time or the name of a file that is about to be erased, for example.
5	Status indicators	These show the current operating state.

FCC regulation warning (for the U.S.A.)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- **Reorient or relocate the receiving antenna.**
- **Increase the separation between the equipment and the receiver.**
- **Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.**
- **Consult the dealer or an experienced radio/TV technician for help.**

For EU Countries

CE **Declaration of Conformity**

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- MPEG Layer-3 audio compression technology has been licensed from Fraunhofer IIS and Sisvel S.p.A.
- Recording concerts, lectures and other events without the permission of the rights-holders is illegal.

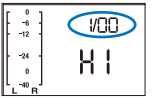
The contents of this document and the specifications of the product could be changed without warning.

Upgrading the firmware

Upgrade the firmware version when necessary.

MEMO

Check the firmware version when the unit is starting up. Version 1.00 is shown as “1/00,” for example.



1. Copy the firmware upgrade file to the microSD card.

- The latest version of the firmware can be downloaded from our web site (www.zoom.co.jp).

2. While pressing ▶/II, slide the power switch to start the unit in version upgrade mode. The version currently used by the unit and the upgrade version are shown on the screen alternately.

3. If the version upgrade shown is the one desired, press the ⦿ button to open a confirmation screen. Press ⦿ again to start the upgrade.

Items included with this product

• H1 unit

• One AA battery (to test the unit)

Note: Use alkaline or NiMH batteries.

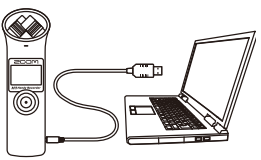
• Quick Start Guide (this manual)

• microSD card (2 GB)

Connect Connecting with a computer

With this unit's power off, connect it to a computer running Windows or Macintosh OS using a USB cable. This allows the unit to be used as a microSD card reader.

Files recorded to the microSD card are saved in the "FOLDER01" subfolder inside the "STEREO" folder on the card. If a file has been recorded to the unit's built-in memory when a microSD card was not in the unit, that file will be saved in the "BLT-IN" subfolder inside the "STEREO" folder.



Safety and Operation Precautions

Warning This indicates that if a user ignores this warning and handles the device incorrectly, serious injury or death could result.

Caution This indicates that if a user ignores this caution and handles the device incorrectly, bodily injury or damage to equipment could occur.

Observe the following precautions to use this unit safely.

• Power and batteries

Warning

- Use only the ZOOM AD-17 (DC5V 1A) USB-connection type AC adapter (sold separately).
- Unplug the AC adapter when the unit will not be used for a long time.
- This unit cannot recharge batteries.
- Carefully read the precautions of batteries before using them.
- When using a battery, insert one commercially-available alkaline or NiMH AA battery with the correct orientation.
- Remove the battery from the unit if it will not be used for a long time.

• Operation environment

Caution

Avoid using the unit in the following types of places, because doing so could cause malfunction.

- Places that become extremely hot or cold
- Near heating devices or other sources of heat
- Places that are extremely humid or where the unit could become wet
- Sandy or dusty places
- Places with frequent vibrations

• Handling

Warning

Do not disassemble or modify this device. Doing so could cause injury or malfunction. ZOOM Corporation will not take responsibility for malfunctions resulting from disassembly or modification.

Caution

Do not apply excessive force to switches and other controls.
Use of excessive force, dropping, bumping and other shocks could break the unit.

You might need this Quick Start Guide in the future.
Always keep it in a place where you can access it easily.

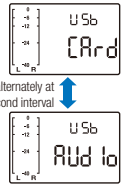
Connect

Connecting with a computer <Supplement>

New function in Ver.2

1. With the power off, connect this unit to a Windows PC or a Macintosh using a USB cable.

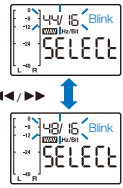
2. **<To use as a MicroSD card reader>**
Press ⦿ while “CArd” is displayed.
<To use as an audio interface>
Press ⦿ while “AUdIo” is displayed.



MEMO

If no action is performed for 10 seconds, it will automatically start working as a MicroSD card reader.

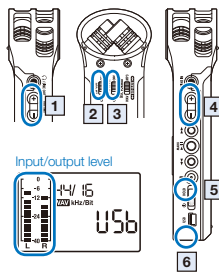
3. **<When “CArd” is selected>**
It starts working as a MicroSD card reader.
<When “AUdIo” is selected>
When the screen to select the sampling frequency appears, use ◀◀ / ▶▶ to select the frequency and press ⦿ .



MEMO

The sampling frequency should be set to the same value as the recording software and playback files.

4. It starts working as an audio interface.
This unit’s input signal is sent to the computer, and you can use this unit to monitor the playback signal on the computer.



1	Adjusts the output level
2	Switches on/off the LO CUT function
3	Switches on/off the AUTO level function
4	Adjusts the input level
5	Disables the keys
6	The playback signal of the computer can be monitored when line/headphone output jack is not used.