

Handy Recorder

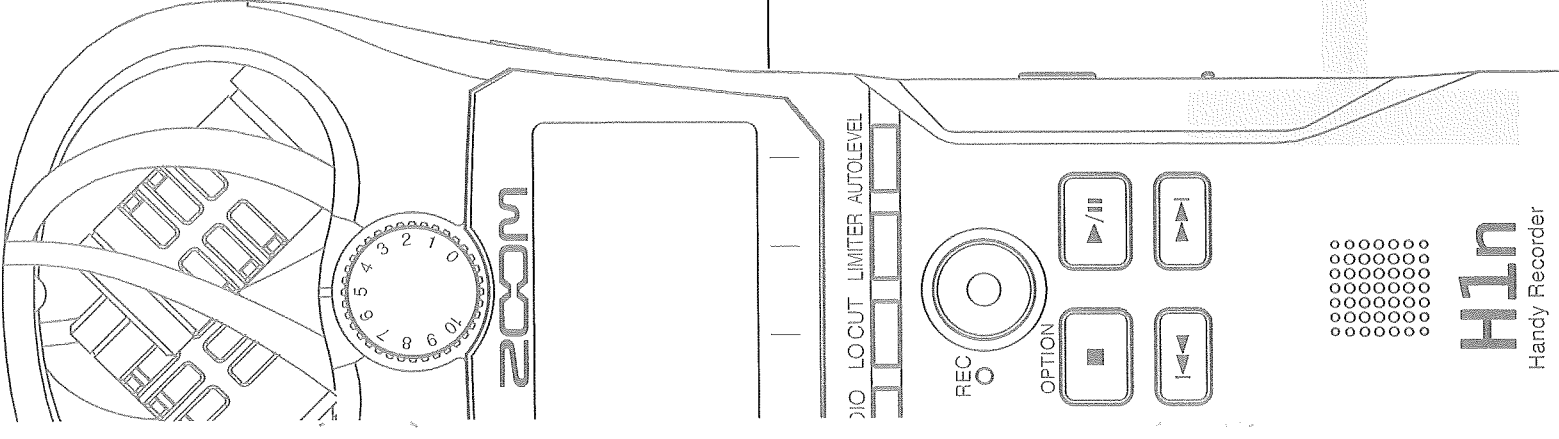
# H1n

## Quick Guide

You must read the Usage and Safety Precautions before use.

The Operation Manual can be downloaded from the ZOOM website ([www.zoom.co.jp](http://www.zoom.co.jp)).

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H1n  
Handy Recorder

Z2I-3075-01



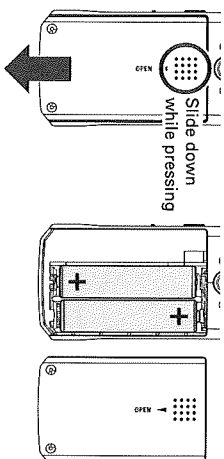
ZOOM CORPORATION

4-4-3 Kandasurugadai, Chiyoda-ku, Tokyo 101-0062 Japan

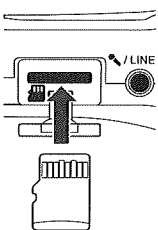
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## Preparations

1. Remove the battery cover and insert batteries.



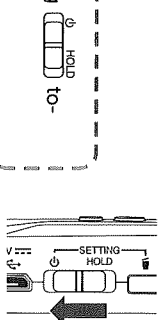
2. Open the SD card slot cover, and insert a microSD card.



3. Slide to turn the power on.

### HINT

Misoperation during recording can be prevented by sliding to to-



4. Set the language shown.

Select the language: Press or

Confirm: Press



5. Set the date and time.

Move the cursor: Press or

Change the value: Press or

Confirm: Press



### HINT

The language and date and time can be changed later using the Settings screen. Turn the power on while pressing on the side of the recorder to open the Settings screen.

- **Audio interface**
- H1n input signals can be sent directly to a computer or iOS device, and playback signals from that computer or device can be output from the H1n.

1. Set the type of device used.

Move the cursor: Press or

Confirm: Press



### NOTE

After selecting "iOS", follow the instructions on screen and disconnect the cable once. Then, select "iOS" again and reconnect the cable.

2. Set the power source used.

Move the cursor: Press or

Confirm: Press



3. To set direct monitoring, press while pressing .

This enables monitoring without latency by directly outputting the H1n input signal before sending it to the computer or iOS device.

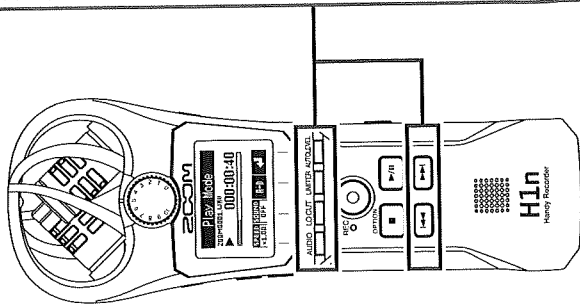


- To disconnect the H1n, press while pressing .

## Specifications

Recording media	microSD/microSDHC cards (Class 4 or higher, up to 32 GB)
Recording formats	WAV: 44.1 kHz/16-bit, 48 kHz/16-bit, 48 kHz/24-bit, 96 kHz/24-bit MP3: 48 kbps, 128 kbps, 192 kbps, 256 kbps, 320 kbps
Display	1.25" monochrome LCD (96×64) with REC LED (red)
Inputs	Built-in mic: 90° XY stereo format, 120 dB SPL maximum input sound pressure, -∞ dB ~ +39 dB input gain MIC/LINE IN: Input connector: stereo mini jack, -∞ dB ~ +39 dB input gain, 2 kΩ or higher input impedance, plug-in power (2.5 V) supported
Output	Combined line/headphone stereo mini jack
Built-in speaker	500mW 8Ω mono speaker
USB	microUSB Mass storage class operation: USB 2.0 High Speed Audio interface operation: USB class compliant 44.1/48kHz sampling rate, 16-bit depth, 2-in/2-out Transfer method: asynchronous
Power	2 AAA batteries (alkaline, lithium or rechargeable NiMH batteries) AC adapter (ZOOM AD-17): DC 5V/1A
Estimated continuous recording time using batteries	About 10 hours (alkaline batteries, using built-in mic, 44.1 kHz/16-bit) Note: The above value is approximate. Note: The continuous battery operation time was determined using in-house testing methods. It will vary greatly according to use conditions.
External dimensions	50.0 mm (W) × 137.5 mm (D) × 32.0 mm (H)
Weight (main unit only)	60 g

## Using additional playback functions



- **Setting the Play Mode**  
On the playback screen, press **AUTO LEVEL** to open the Play Mode screen. Use the following buttons for functions that are useful for listening to and transcribing passages.
  - **Speed:** Press **AUDIO** **LOCUT**
  - **Sound Effect:** Press **LIMITER**  
This applies an effect to playback to change the sound.
  - **Repeat playback of a set interval (between A and B points):** Press **LIMITER** at the starting point (A), and then press **LIMITER** at the ending point (B)  
Press **LIMITER** again to stop repeat playback between the A and B points.
  - **Adjust the playback position by small amounts:** Press **▶** to skip 10 seconds forward and press **◀** to skip 3 seconds backward
  - **Return to the playback screen:** Press **AUTO LEVEL**

## Using USB functions

1. Use a USB cable to connect to a computer or iOS device.
2. Select the function to use.  
Move the cursor: Press **LOCUT** **LIMITER** or **AUTO LEVEL**  
Confirm: Press **AUTO LEVEL**

■ **Card reader**  
You can use a computer to exchange data with the H1n. To disconnect the H1n, end the connection on the computer first, and then press **AUTO LEVEL**.

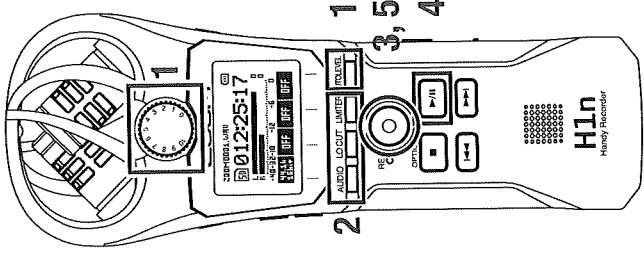
## Recording

1. Turn **LOCUT** to adjust the input level.  
If you want the level to be adjusted automatically, press **AUTO LEVEL** to turn on automatic level adjustment (Auto Level).
 

**NOTE**  
When changing a setting, press the same button again to magnify the parameter shown.

**HINT**

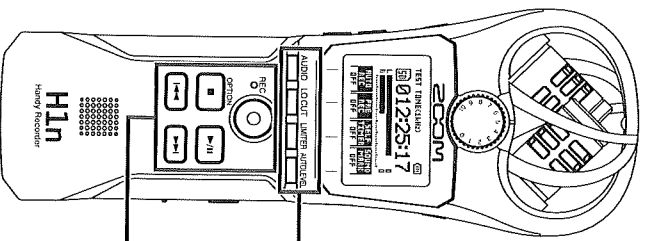
  - When adjusting manually, set it so that the peak level stays around -12dB.
  - If the REC LED is blinking, the sound could be distorted, so lower the input level.



















2. Make recording settings.
  - **Recording format (Rec Format):** Press **AUDIO**

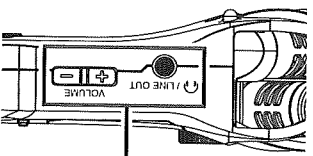
**HINT**  
The MP3 format compresses data, so the sound quality is lower than WAV format, but it also uses less SD card space. Higher values provide better audio quality in both WAV and MP3 formats.
  - **Low-cut filter (Lo Cut):** Press **LOCUT**  
This can reduce the sound of wind and vocal pop noise.
  - **Limiter:** Press **LIMITER**  
This prevents clipping caused by sudden loud noises.
3. Press **LOCUT** to start recording.
4. Control recording.
  - **Add a mark:** Press **AUDIO**  
If marks are added, their positions can be jumped to during playback.
  - **Pause/resume recording:** Press **▶/||**  
Marks are added automatically when recording is paused.
5. Press **LOCUT** to stop recording.



## Using additional recording functions

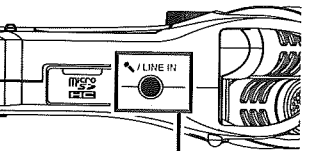


- **Other recording settings**  
While pressing , press the following buttons to change the related settings.
  - **Automatic recording (Auto Rec):** Press . After pressing , recording will start automatically when the input level exceeds the set value.
  - **Pre-recording (Pre Rec):** Press . Recording can be started about two seconds before  is pressed.
  - **Self Timer:** Press . After pressing , recording starts automatically when the set time passes.
  - **Sound Marker:** Press . This inputs a tone signal when recording starts and stops, making it easier to align video and audio.

- **Overdubbing**  
You can record over a file as it is playing back and save it as a new file.  
After pressing  or  to select the file, press  while pressing  or .
- **Playing test tones**  
You can play a test tone for adjusting the level of connected equipment.  
While pressing , press . Press  again to stop the tone.



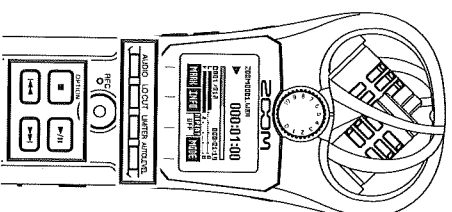
- **Monitoring recording**  
Connect headphones to the PHONE/LINE OUT jack, and press  and  to adjust the volume.






- **Using an external mic**  
Connect an external mic to the MIC/LINE IN jack. This can provide plug-in power.
















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
## Playing recordings

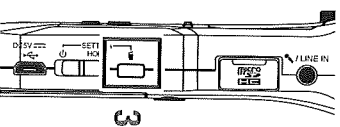


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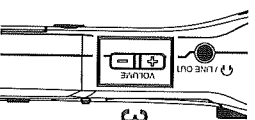
1. Press  and  to select the file for playback.
2. Press  to start playback.
3. Control playback.

Adjust the volume	Press  and 
Pause/resume playback	Press 
Search forward/backward	Press and hold  or 
Repeat playback	Press  . The current file or all the files on the SD card can be played back repeatedly.
Add a mark	Press 
Jump to marks or switch files	Press  and  . If there is a mark, it will be jumped to first.
Clear a mark	Press  when paused at a mark
Check file information	Press  . Change page: Press  or  . Return to the playback screen: Press 
Delete a file	Press 

4. Press  to stop playback.



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