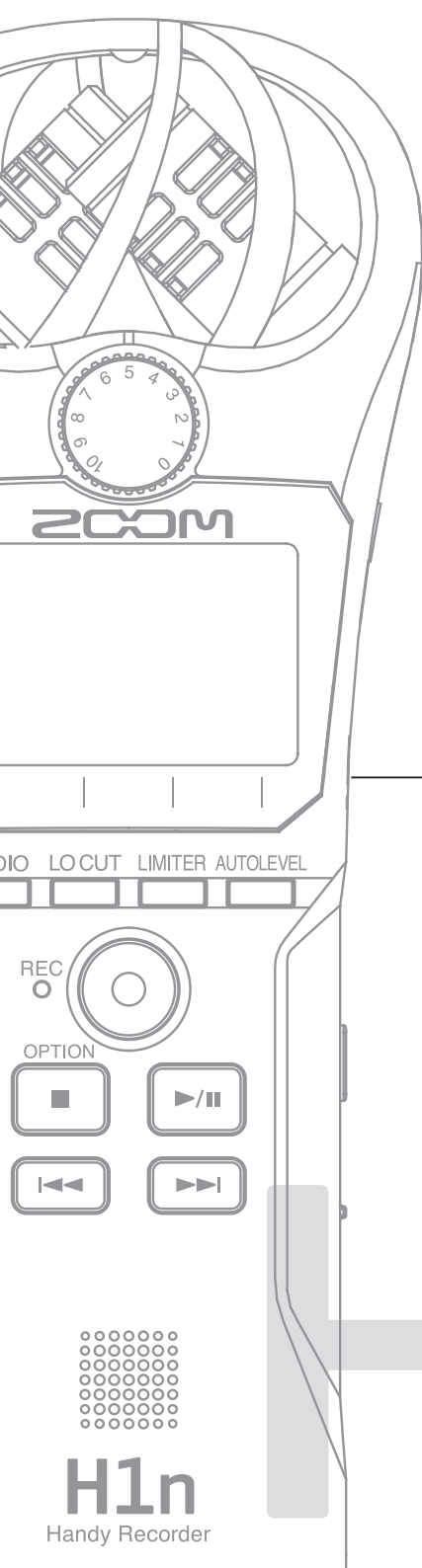


ZOOM®



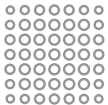
Handy Recorder

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).



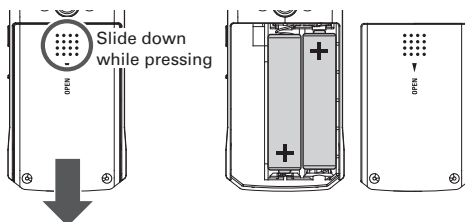
H1n
Handy Recorder

© 2018 ZOOM CORPORATION

Copying or reprinting this manual in
part or in whole without permission is
prohibited.

Preparations

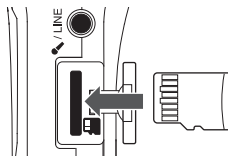
1. Remove the battery cover and insert batteries.





HINT



An AD-17 AC adapter, which is designed for this unit, can also be used.

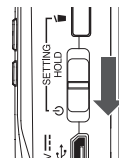
2. Open the SD card slot cover, and insert a microSD card.



3. Slide   to turn the power on.

HINT

Misoperation during recording can be prevented by sliding   toward HOLD to disable button use.



4. Set the language shown.

Select the language: Press  or 

Confirm: Press 

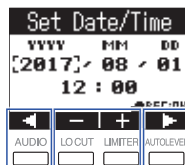


5. Set the date and time.


Move the cursor: Press  or 

Change the value: Press  or 

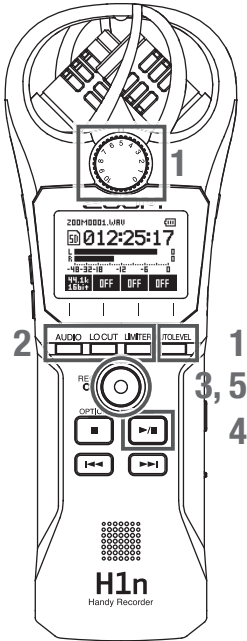
Confirm: Press 



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.

Recording



1. Turn to adjust the input level.

If you want the level to be adjusted automatically, press to turn on automatic level adjustment (Auto Level).

NOTE

To change the setting, press the same key again while the parameter appears enlarged.

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

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

This can reduce the sound of wind and vocal pop noise.

- **Limiters:** Press

This prevents clipping caused by sudden loud noises.

3. Press to start recording.

4. Control recording.

- **Add a mark:** Press

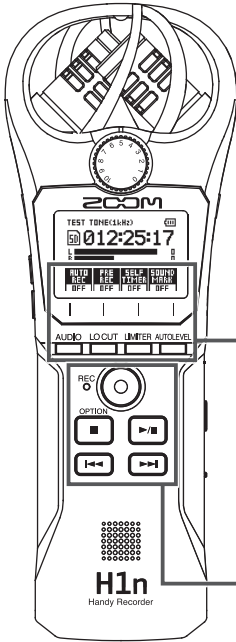
If marks are added, their positions can be jumped to during playback.

- **Pause/resume recording:** Press


Marks are added automatically when recording is paused.








5. Press 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.

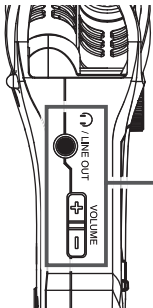
After pressing  or  to select the file, press  while pressing .

■ Playing test tones



You can play a test tone for adjusting the level of connected equipment.

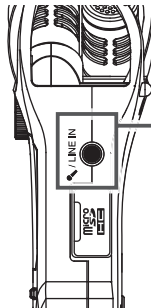
While pressing , press .

Press  again to stop the tone.



■ Monitoring recording

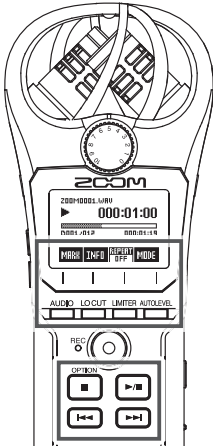
Connect headphones to the PHONE/LINE OUT jack, and press  and  to adjust the volume.



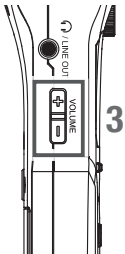
■ Using an external mic

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

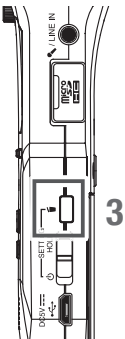
Playing recordings



1, 2, 3, 4



3



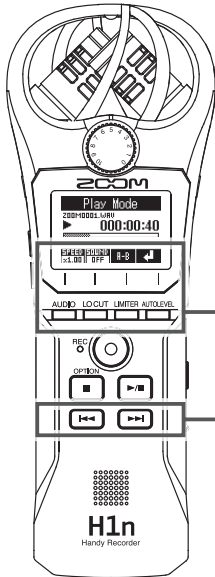
3

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 REPEAT The current file or all the files on the SD card can be played back repeatedly.
Add a mark	Press MARK
Jump to marks or switch files	Press and If there is a mark, it will be jumped to first.
Clear a mark	Press DELETE MARK when paused at a mark
Check file information	Press INFO Change page: Press or Return to the playback screen: Press
Delete a file	Press

4. Press to stop playback.

Using additional playback functions



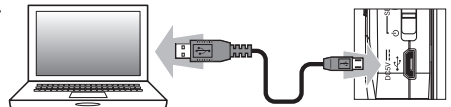
■ Setting the Play Mode

On the playback screen, press **MODE** to open the Play Mode screen. Use the following buttons for functions that are useful for listening to and transcribing passages.

- **Speed:** Press **SPEED**
- **Sound Effect:** Press **EFFECT**
This applies an effect to playback to change the sound.
- **Repeat playback of a set interval (between A and B points):** Press **A-B** at the starting point (A), and then press **A-B** at the ending point (B)
Press **A-B** 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 **EXIT**

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 **▲** or **▼**

Confirm: Press **▶**

■ 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 **EXIT**.



■ 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 



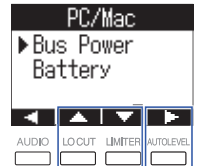
NOTE


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.

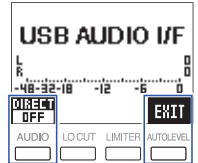
Move the cursor: Press  or 

Confirm: Press 



3. To set direct monitoring, press **DIRECT** 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 **EXIT** 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 (96x64) 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



ZOOM CORPORATION

4-4-3 Kanda-surugadai, Chiyoda-ku, Tokyo 101-0062 Japan

www.zoom.co.jp