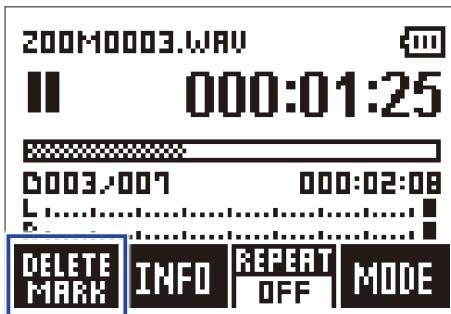


## Deleting marks

Marks added to files can be deleted when not needed.

1. Pause playback.
2. Use and to jump to the mark that you want to delete.



The function button on the far left changes from "MARK" to "DELETE MARK".

3. Press .
4. Use and to select "Delete", and press .

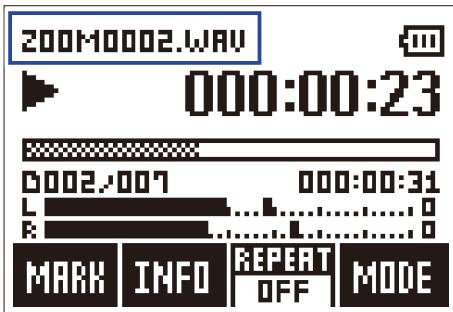


The selected mark will be deleted.

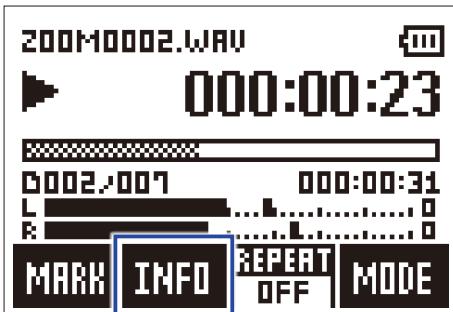
## Checking file information

You can view a variety of information about the selected file.

1. Press and to select a file.



2. Press .



3. Check the file information.



Press and to change the page.

### HINT

The information items that can be viewed are the date and time, the recording format, the file size, and the recording length.

4. Press .

This reopens the Playback Screen.

# Using additional playback functions

Press  to switch to Play Mode, which allows you to use functions that are useful for listening to passages and transcribing words.

## Adjusting the playback position precisely

The playback position can be adjusted a few seconds at a time.

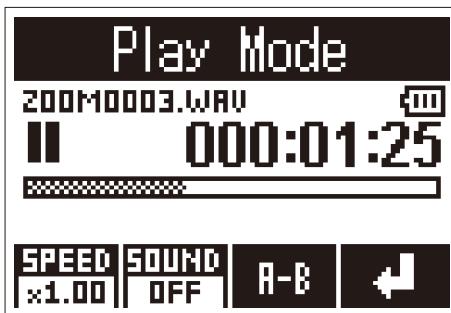
1. Press  on the Playback Screen.

This activates Play Mode.

2. Use  and  to adjust the playback position precisely.

Go back 3 seconds: Press 

Go forward 10 seconds: Press 



### NOTE

If there is a mark before the amount of time, playback will stop at the mark position instead.

3. Press  to exit Play Mode.

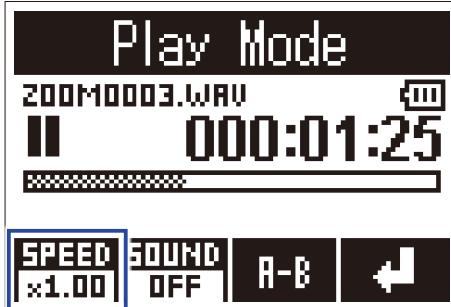
## Changing the playback speed

---

1. Press  AUTOLEVEL on the Playback Screen.

This activates Play Mode.

2. Press  to change the playback speed.



---

### HINT

The playback speed can be set to  $\times 0.50$ ,  $\times 0.75$ ,  $\times 1.00$ ,  $\times 1.50$  or  $\times 2.00$ .

---

3. Press  AUTOLEVEL to exit Play Mode.

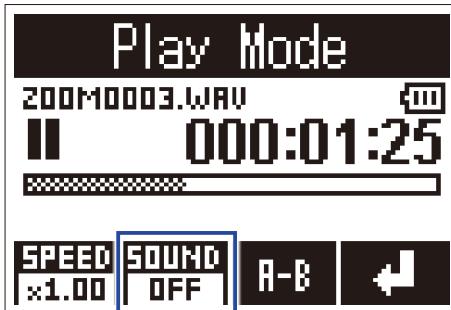
## Using sound effects

These effects can be applied to change the sound during playback.

1. Press  <sup>AUTOLEVEL</sup> on the Playback Screen.

This activates Play Mode.

2. Press  <sup>LOCUT</sup> to select the sound effect to use.



The following sound effects can be activated.

Setting value	Explanation
OFF	The sound will not be changed.
SPEECH	This makes recordings of speeches and meetings sound better.
Vo CUT	This cuts vocals.
BASS	This cuts frequencies other than low frequencies.
ROCK	This emphasizes low and high frequencies.

3. Press  <sup>AUTOLEVEL</sup> to exit Play Mode.

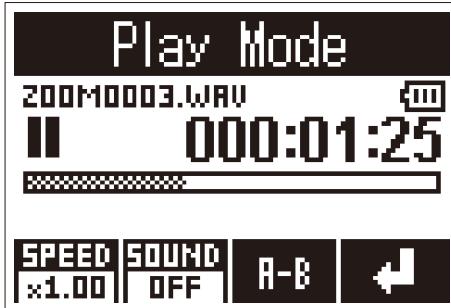
## Repeat playback of a set interval (A-B repeat)

Playback can be repeated between two set points.

1. Press  on the Playback Screen.

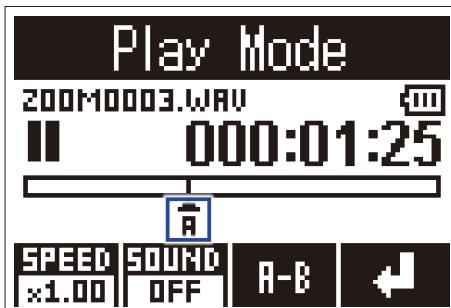
This activates Play Mode.

2. Press  and  to move the position where you want repeat playback to start.



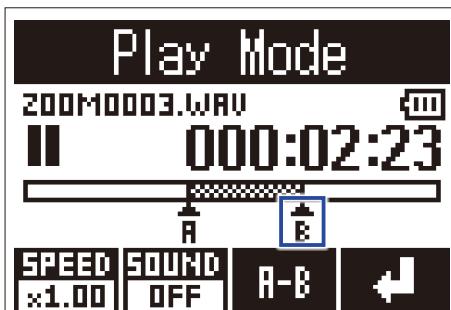
You can also press  and move the position during playback.

3. Press  to set the starting point.



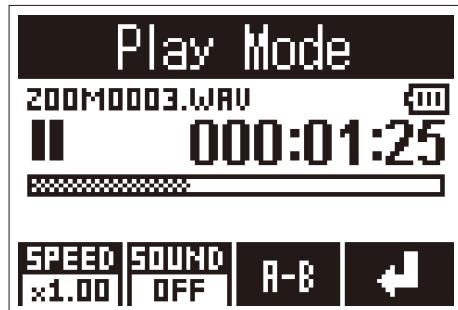
"A" will appear at the set point.

4. Press  at the point where you want repeat playback to stop to set the ending point.



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

- 5.** Press  to stop repeat playback.



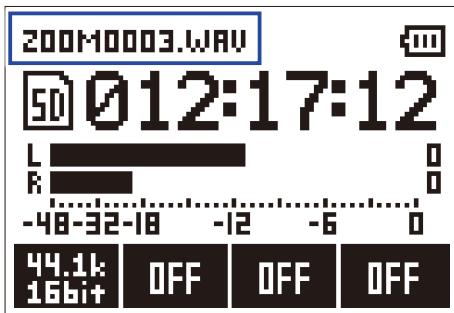
- 6.** Press  to exit Play Mode.

# Working with files

## Deleting files

Files that are not needed can be deleted.

1. Press and to select a file.



---

### HINT

Files can be deleted on both the Recording Screen and the Playback Screen.

---

2. Press .

3. Use and to select "Delete", and press .



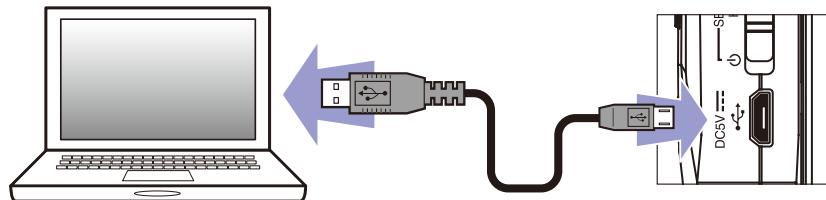
The selected file will be deleted.

# Using USB functions

## Connecting with other devices

The **H1n** can be used as a card reader or audio interface when the **H1n** is connected to a computer, iOS device or other equipment.

1. When the Recording Screen is open, use a USB cable to connect the **H1n** and the other equipment.



The USB screen will open.

**NOTE**

A Lightning to USB Camera Adapter is necessary to connect an iOS device.

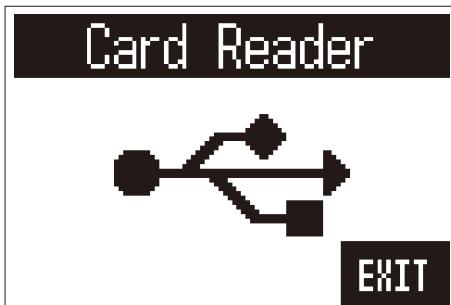
## Using as a card reader

You can use a computer to check the files saved on the microSD card and copy those files to the computer.

1. Press **LOCUT** or **LIMITER** on the USB screen to select "Card Reader", and press **AUTOLEVEL**.



2. Use the computer to work with the files saved on the microSD card.



3. When you want to disconnect, use the computer to end the USB connection with the **H1n**.

Windows: Select **H1n** from "Safely Remove Hardware".

Mac OS: Drag the **H1n** icon to the Trash and drop it.

**NOTE**

Always conduct computer disconnection procedures before removing the USB cable.

4. Press **AUTOLEVEL**.

5. Use **LOCUT** and **LIMITER** to select "Exit", and press **AUTOLEVEL**.



This ends card reader operation and reopens the Recording Screen.

6. Disconnect the USB cable from the **H1n** and the other equipment.

## Using as an audio interface

H1n input signals can be input directly to a computer, iOS device or other equipment, and playback signals on a computer, iOS device or other equipment can be output from the H1n.

1. Press **LOCUT** or **LIMITER** on the USB screen to select "Audio I/F", and press **AUTOLEVEL**.



2. Use **LOCUT** and **LIMITER** to select the type of device, and press **AUTOLEVEL**.



### NOTE

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

3. Use **LOCUT** and **LIMITER** to select the power source, and press **AUTOLEVEL**.



The following power sources can be selected.

Setting value	Explanation
Bus Power	Power is supplied from the connected device through the USB cable.
Battery	Power is supplied by the batteries in the H1n. Select this when connected to a computer that has low USB bus power supply capability.

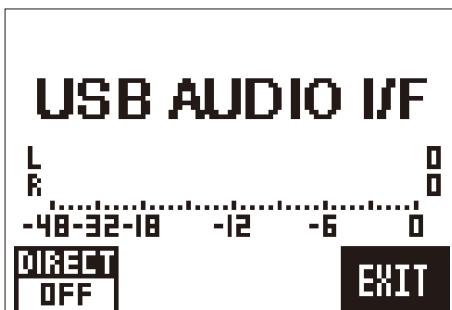
**NOTE**

When "iOS" is selected, power is supplied by the batteries in the H1n. This screen will not be shown.

**4.** Monitoring playback signals from connected devices



**5.** To disconnect, while pressing and , press .



**6.** Use and to select "Exit", and press .



This ends audio interface operation and reopens the Recording Screen.

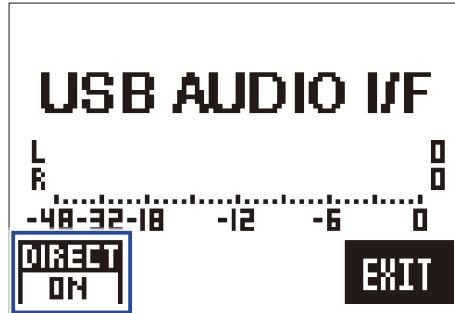
**7.** Disconnect the USB cable from the H1n and the other equipment.

## Enabling direct monitoring

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This directly outputs the **H1n** input signal from the **H1n** before sending it to the computer or iOS device. This enables monitoring without latency

1. During audio interface operation, while pressing  , press  to turn it ON.

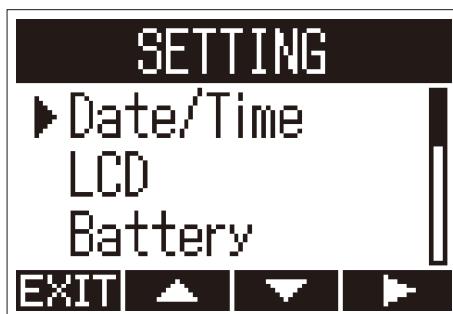
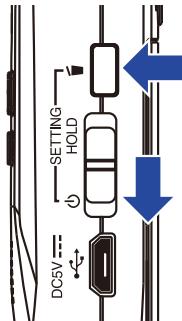


# Making various settings

## Opening the SETTING screen

Various settings can be made on the SETTING screen.

1. While pressing , turn the power on.



This opens the SETTING screen.

## Setting the date format

The date format, which is used when adding dates to file names and when showing the date on the Playback Screen, can be changed.

1. On the SETTING screen, use LOCUT and LIMITER to select "Date/Time", and press AUTOLEVEL.



2. Use LOCUT and LIMITER to select "Date Format", and press AUTOLEVEL.



3. Use LOCUT and LIMITER to select the date format, and press AUTOLEVEL.



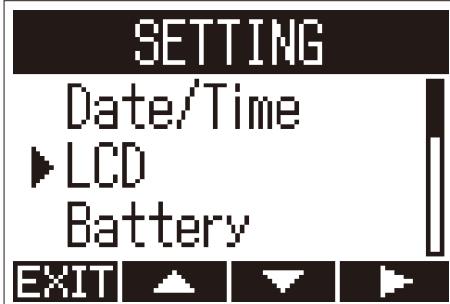
The following date formats can be used.

Setting value	Explanation
YYMMDD	Year, month, day order
MMDDYY	Month, day, year order
DDMMYY	Day, month, year order

## Setting the display backlight

The display backlight can be set to turn off after a specific amount of time without use.

1. On the SETTING screen, use  and  to select "LCD", and press .



2. Use  and  to select "Backlight", and press .



3. Use  and  to set the amount of time until the backlight turns off, and press .

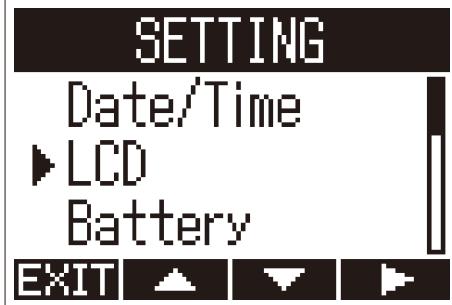


The time until the backlight turns off can be set as follows.

Setting value	Explanation
Off	The backlight always stays off.
On	The backlight always stays on.
30 sec	The backlight turns off if no operation occurs for 30 seconds.
1 min	The backlight turns off if no operation occurs for 1 minute.
2 min	The backlight turns off if no operation occurs for 2 minutes.
3 min	The backlight turns off if no operation occurs for 3 minutes.
4 min	The backlight turns off if no operation occurs for 4 minutes.
5 min	The backlight turns off if no operation occurs for 5 minutes.

## Adjusting the display contrast

1. On the SETTING screen, use <sup>LOCUT</sup>  and <sup>LIMITER</sup>  to select "LCD", and press <sup>AUTOLEVEL</sup> .



2. Use <sup>LOCUT</sup>  and <sup>LIMITER</sup>  to select "Contrast", and press <sup>AUTOLEVEL</sup> .



3. Use <sup>LOCUT</sup>  and <sup>LIMITER</sup>  to adjust the contrast, and press <sup>AUTOLEVEL</sup> .



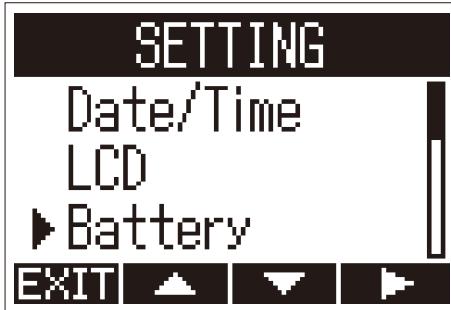
### HINT

This can be set from 1 to 10.

## Setting the type of battery used

Set the type of battery used so that the amount of remaining battery charge can be shown accurately on the display.

1. On the SETTING screen, use **LOCUT** and **LIMITER** to select "Battery", and press **AUTOLEVEL**.



2. Use **LOCUT** and **LIMITER** to select the battery type, and press **AUTOLEVEL**.



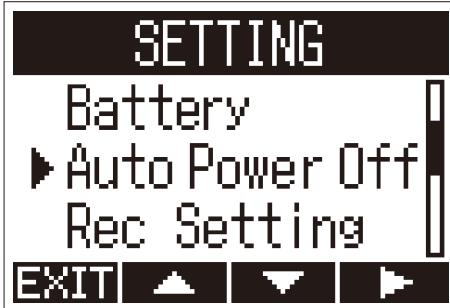
### HINT

The options are Alkaline, Ni-MH and Lithium.

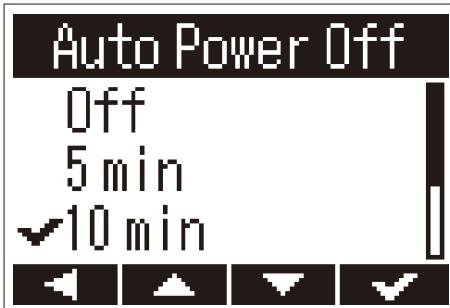
## Setting the Auto Power Off function

When operating with batteries, the power will automatically turn off if it is not used for a set amount of time.

1. On the SETTING screen, use **LOCUT** and **LIMITER** to select "Auto Power Off", and press **AUTOLEVEL**.



2. Use **LOCUT** and **LIMITER** to set the time until the power turns off, and press **AUTOLEVEL**.

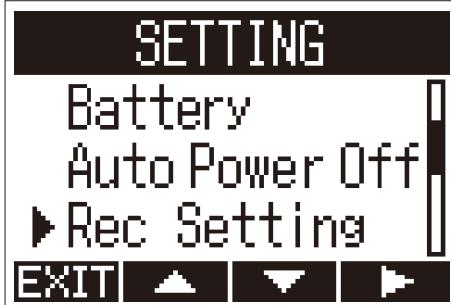


Setting value	Explanation
Off	The Auto Power Off function is disabled.
5 min	The power will turn off automatically 5 minutes after the last button operation.
10 min	The power will turn off automatically 10 minutes after the last button operation.
30 min	The power will turn off automatically 30 minutes after the last button operation.
60 min	The power will turn off automatically 60 minutes after the last button operation.

## Setting how the counter appears

The recording time shown during recording (counter) can be set to either the current elapsed recording time (count up) or the remaining possible recording time (count down).

1. On the SETTING screen, use **LOCUT** and **LIMITER** to select "Rec Setting", and press **AUTOLEVEL**.



2. Use **LOCUT** and **LIMITER** to select "Counter", and press **AUTOLEVEL**.



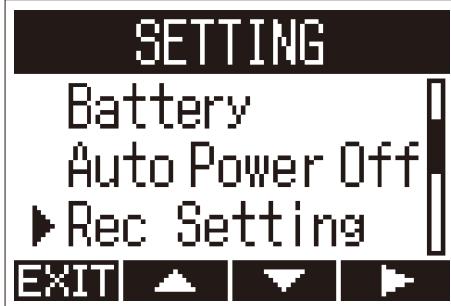
3. Press **LOCUT** or **LIMITER** to select how it is shown, and press **AUTOLEVEL**.



# Setting how files are named

The way that files are named automatically during recording can be changed.

1. On the SETTING screen, use **LOCUT** and **LIMITER** to select "Rec Setting", and press **AUTOLEVEL**.



2. Use **LOCUT** and **LIMITER** to select "File Name", and press **AUTOLEVEL**.



3. Use **LOCUT** and **LIMITER** to select the file name format, and press **AUTOLEVEL**.



The following file name formats can be used.

Setting value	Explanation
ZOOM***	Files are named with consecutive numbers from "ZOOM0001.WAV/MP3" to "ZOOM9999.WAV/.MP3".
YYMMDD-HHMMSS	Files are named with the date and time, using a "YYMMDD-HHMMSS.WAV/MP3" format.

## NOTE

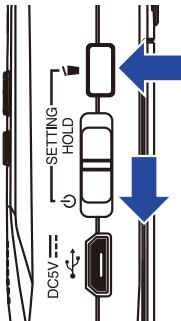
- If set to "YYMMDD-HHMMSS", files will be named with the date and time when recording started.
- When set to "YYMMDD-HHMMSS", the "Date Format" setting will be used (→ ["Setting the date format"](#)).

# Other functions

## Formatting microSD cards

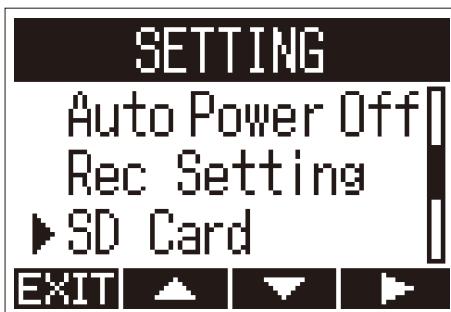
A microSD card that has been purchased or formatted by a computer should be formatted for use with the H1n.

1. While pressing , turn the power on.

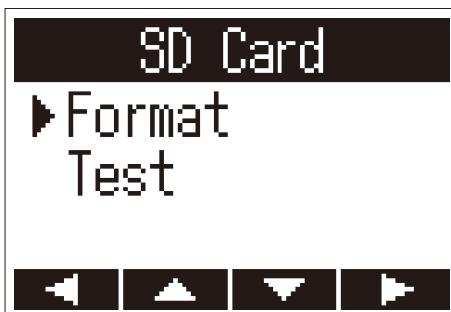


This opens the SETTING screen.

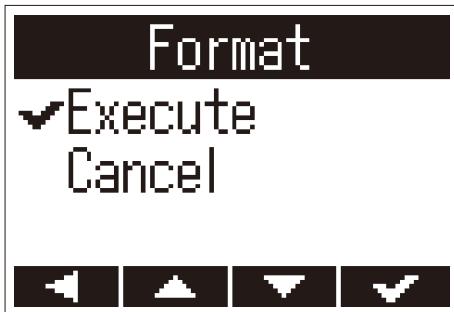
2. Use  and  to select "SD Card", and press .



3. Use  and  to select "Format", and press .



- 4.** Use LOCUT  and LIMITER  to select "Execute", and press AUTOLEVEL .



This formats the microSD card for use with the **H1n**.

**NOTE**

- Before using microSD cards that have just been purchased or that have been formatted on a computer, they must be formatted by the **H1n**.
- Be aware that all data saved on the microSD card will be deleted when it is formatted.

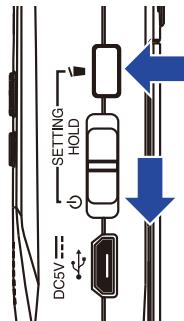
# Testing microSD card performance

A microSD card can be tested for usability with the **H1n**.

A Quick Test can be done in a short amount of time, while a Full Test examines the entire microSD card.

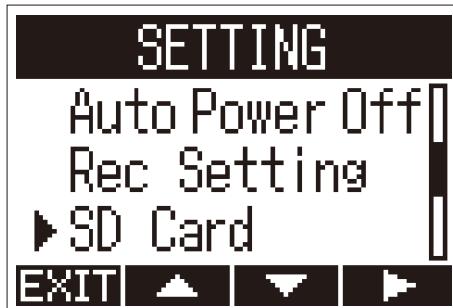
## Conducting a Quick Test

1. While pressing , turn the power on.

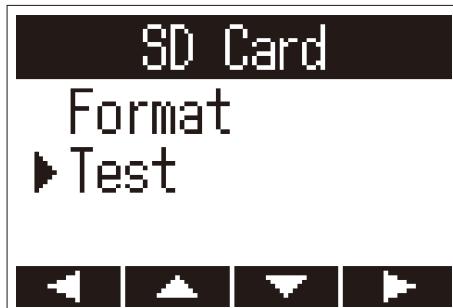


This opens the SETTING screen.

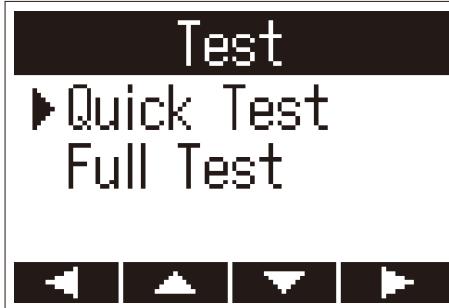
2. Use  and  to select "SD Card", and press .



3. Use  or  to select "Test", and press .



- 4.** Use  or  to select "Quick Test", and press .

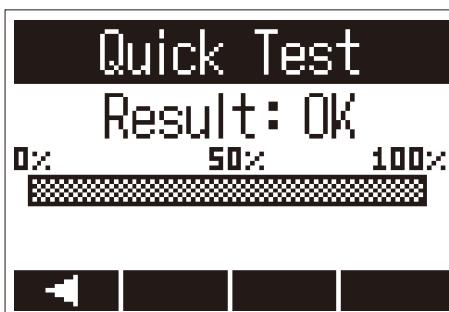


- 5.** Use  and  to select "Execute", and press .



This starts a quick test of the microSD card.

- 6.** Check the result when the test completes.



The result of the evaluation is shown.

**NOTE**

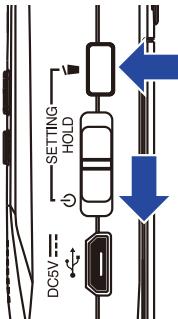
Even if a performance test result is "OK", there is no guarantee that writing errors will not occur. Use this information as a guide.

# Conducting a Full Test

## NOTE

Use the AC adapter to supply power when conducting a full test (→ "Using an AC adapter").

1. While pressing , turn the power on.



This opens the SETTING screen.

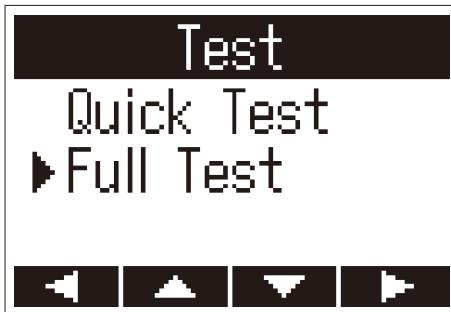
2. Use  and  to select "SD Card", and press .



3. Use  or  to select "Test", and press .



- 4.** Use **LOCUT** or **LIMITER** to select "Full Test", and press **AUTOLEVEL**.



The amount of time required for the full test will be shown.

- 5.** Use **LOCUT** and **LIMITER** to select "Execute", and press **AUTOLEVEL**.

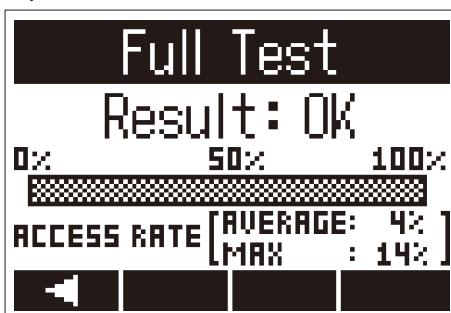


This starts a full test of the microSD card.

**HINT**

You can press **▶/■** to pause and resume a test.

- 6.** Check the result when the test completes.



The result of the evaluation is shown.

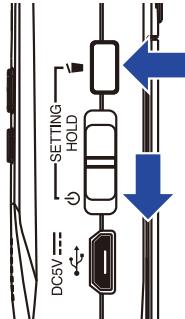
**NOTE**

Even if a performance test result is "OK", there is no guarantee that writing errors will not occur. Use this information as a guide.

## Checking the versions

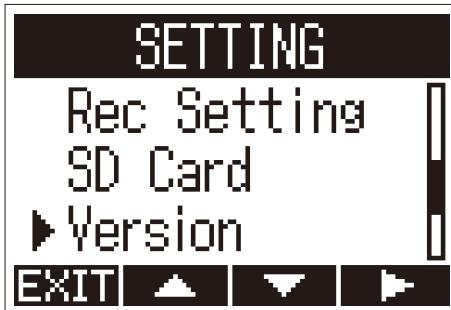
You can check the firmware versions.

1. While pressing , turn the power on.



This opens the SETTING screen.

2. Use  and  to select "Version", and press .



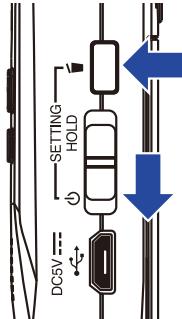
3. Check the firmware versions.



# Restoring default setting values

The H1n settings can be restored to their factory defaults.

1. While pressing , turn the power on.



This opens the SETTING screen.

2. Use  and  to select "Factory Reset", and press .



3. Use  and  to select "Execute", and press .



This starts resetting the H1n.

After the settings are reset, the power will automatically turn off.

**NOTE**

Input level settings will not be reset.

# Updating the firmware

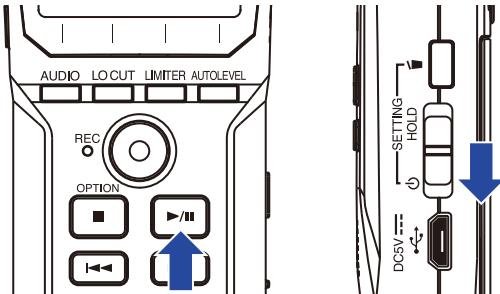
The H1n firmware can be updated to the latest versions.

1. Install new batteries in the H1n (→ "Using batteries") or connect the dedicated AC adapter (→ "Using an AC adapter").
2. Copy the firmware update file to the root directory on a microSD card.

**NOTE**

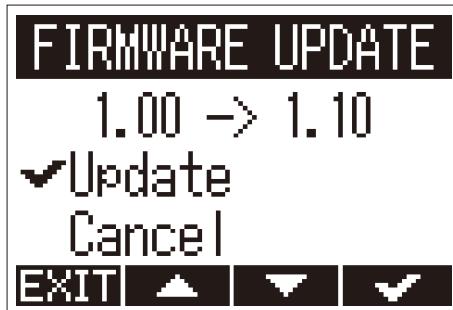
Files for the latest firmware updates can be downloaded from the ZOOM website ([www.zoom.co.jp](http://www.zoom.co.jp)).

3. Insert the microSD card into the H1n (→ "Inserting microSD cards").
4. While pressing **▶/II**, turn the power on.



This opens an update execution confirmation screen.

5. Use **LO CUT** and **LIMITER** to select "Update", and press **AUTOLEVEL**.



The firmware update starts.

**NOTE**

During the firmware update, do not turn the power off or remove the microSD card. Doing so could cause the H1n to become unstartable.

- 6.** After the firmware update completes, turn the power off.



**NOTE**

Executing a firmware update is not possible if the remaining battery power is low. Replace the batteries with new ones (→ ["Using batteries"](#)) or connect the AC adapter (→ ["Using an AC adapter"](#)).

# Adding languages

By adding new languages, the language displayed by the **H1n** can be changed.

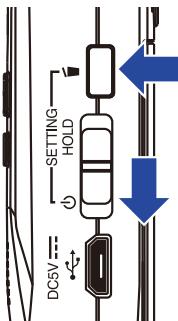
1. Copy the file for the language you want to add to the root directory on a microSD card.

**NOTE**

Download language files from the ZOOM website ([www.zoom.co.jp](http://www.zoom.co.jp)).

2. Insert the microSD card into the **H1n** (→ ["Inserting microSD cards"](#)).

3. While pressing , turn the power on.



This opens the **SETTING** screen.

4. Use  and  to select "Language", and press .



5. Use  and  to select "Add Language", and press .



- 6.** Use **LOCUT** and **LIMITER** to select the language you want to add, and press **AUTOLEVEL**.



The selected language will be added.

**HINT**

Added languages will be deleted if the **H1n** is reset (→ "[Restoring default setting values](#)").

# Troubleshooting

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If you think that the **H1n** is operating strangely, check the following items first.

## Recording/playback trouble

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### ■ No sound is output/volume is low

- Confirm that the volume of the **H1n** is not set too low (→ "[Adjusting the volume](#)").
- Check the volume of the computer, iOS device or other equipment connected to the **H1n**.

### ■ Recorded sound cannot be heard or is very quiet

- Confirm that the mic is oriented in a suitable direction.
- Check the input level settings (→ "[Adjusting input levels](#)").

### ■ Recording not possible

- Confirm that the REC LED is lit (→ "[Names of parts](#)").
- Check the remaining recordable time with the recording time (counter) shown on the Recording Screen (→ "[Recording Screen](#)").
- Confirm that a microSD card is loaded properly in the card slot (→ "[Inserting microSD cards](#)").
- If the HOLD function is on, buttons operations will be disabled. Disable the HOLD function (→ "[Preventing misoperation](#)").

## Other trouble

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### ■ Computer does not recognize the **H1n** even though they are connected by a USB cable

- Confirm that the OS of the connected computer is supported (→ "[Connecting with other devices](#)").
- The USB function must be set on the **H1n** to allow the computer to recognize the **H1n** (→ "[Connecting with other devices](#)").
- Confirm that the USB cable being used is not just for charging.

# 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
Inputs	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
Outputs	Combined line/headphone stereo mini jack	
Built-in speaker	500 mW 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, NiMH or lithium) 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	

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