H4next
Handy Recorder

OPERATION MANUAL

STEREO 4CH MTR

FOLDER FILE SPEED WAV/MP3

TRACK 1 2 3 4

INPUT REC
MIC
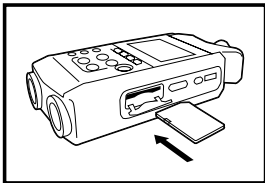
Handy Recorder
H4n

ZOOM

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5-1   Insert a SD card

The SD card is required to record. Make sure to turn off power before inserting or removing the SD card.

[How to install the SD card]
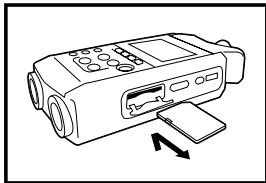
1 Make sure power is off.

2 Insert the SD card into the slot.

[How to remove the SD card]

1 Make sure power is off.

2 Push the SD card in to remove it from the slot.

SD card capacity time to record (approx.)

| 4GB SDHC card	Recording time
WAV 44.1 kHz/16 bits (measured in terms of stereo track)	approx. 380 minutes
MP3 44.1 kHz/128 kbps (measured in terms of stereo track)	approx. 68 hours

NOTE:

POWER OFF !
Never insert or remove the SD card while the power is on. This may destroy the data.

CAUTIONS WHEN INSERTING SD CARD
• You can use 16MB to 32GB SD cards. For a list of operation certified SD cards please refer to ZOOM's website: http://www.zoom.co.jp/
• When you use the SD card for your computer, digital camera or other machine, formatting in the H4n is required.
• When "No Card" is seen on the display at boot-up, check if the SD card is correctly inserted.
• When "Format Card" is seen on the display at booting-up, this means the SD card has not been formatted in the H4n. To format, press [DIAL] down and select OK button.
• When the booting-up screen says "Card Protect", the card is covered with OVERWRITE PROTECT. To release this protect slide the lock switch of the SD card.
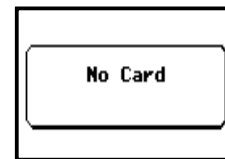
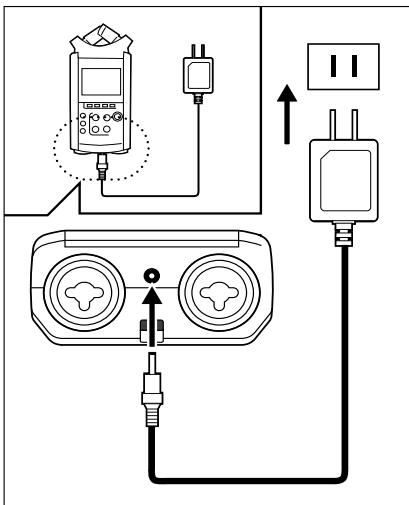"Warning" no SD card in when booting - up.
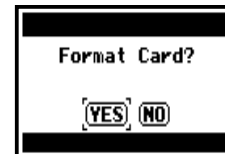
This "Warning" will show when an SD card is not in a recognized format. Select <YES> to format card and all of the data will be deleted.

3 Battery/Power setting

Power for H4n recorder is supplied by the included AC adapter or batteries.
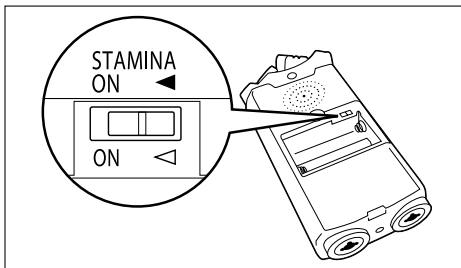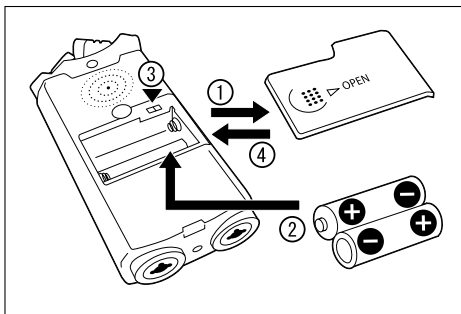
• AC power operation

An AC adapter is included.

An attached AC adapter
Zoom AD-14

Use of an AC adapter other than the one included may cause trouble.

• Battery installation

Install two size AA batteries (IEC R6)

1 Open the battery compartment cover.

NOTE:

Make sure the power is off!
Whenever you open the battery compartment cover or plug in/unplug the AC adapter, make sure the power is off, otherwise the recording data can be destroyed.

2 Insert two size AA batteries ensuring you match the polarity markings (+ and –).

* Illustration : open the battery compartment cover and insert batteries.

3 Set the Stamina Mode Switch.

* Illustration of a Stamina Switch on.
◀ : Use in general (Using AC adapter, batteries)
ON: Stamina Mode On (Eco-power mode when using batteries)

4 Close the battery compartment cover.

* Illustration of closing the battery compartment cover.

Ref. ☞ Explanation about the Stamina Mode. P.037

• Battery's approximate lifetime

| Alkaline battery | in general use | about 6 hours |
| | in stamina mode use | about 11 hours |

* Approximate lifetime when it is used for continuous recording on WAV 44.1 kHz/16bit format.

• Remaining lifetime of the battery

When "Low Battery!" indication appears, immediately switch off unit and exchange batteries, or shift power source to AC adapter.

FULL

EMPTY

When remaining battery life is getting short, "Low Battery" indication will be shown every two seconds and the power will switch off shortly after.

NOTE:

Usable batteries
You can use conventional alkaline and nickel metal hydride batteries.

Power supply from USB
Connect the USB cable to the H4n while it's already connected to the computer with the power switch off, and power is automatically turned on via USB bus power supply. This function is only available when the H4n is used as an SD card reader or an audio interface.

HINT:

To measure the lifetime of the battery
The remaining lifetime of the battery is measured more precisely by using the battery type setting on the H4n.

Saving period for the setting <DATE/TIME>
Whenever power supply is off by dead battery, the H4n can save the date/time setting for three minutes. When the saving time is over, the setting will be returned to the default value.

Screen indicator for power

Using batteries   Using AC adapter

2-1 Name and function of each part

[FRONT PANEL]

90 / 120° Variable XY Stereo microphones (Built-in)

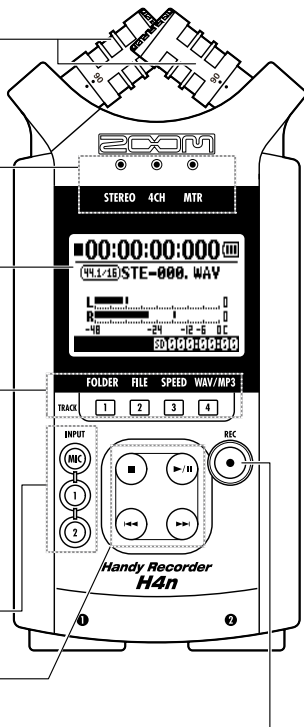STEREO/4CH/MTR mode indicator

Backlight Equipped Display

• Short cut buttons on STEREO/4CH mode
[1] <FOLDER>
[2] <FILE>
[3] <SPEED>*STEREO mode
[4] <WAV/MP3>
  *STEREO/4CH mode

• On MTR mode
Buttons for
TRACK [1], [2], [3], [4]

INPUT: Buttons for
[MIC] [1], [2]

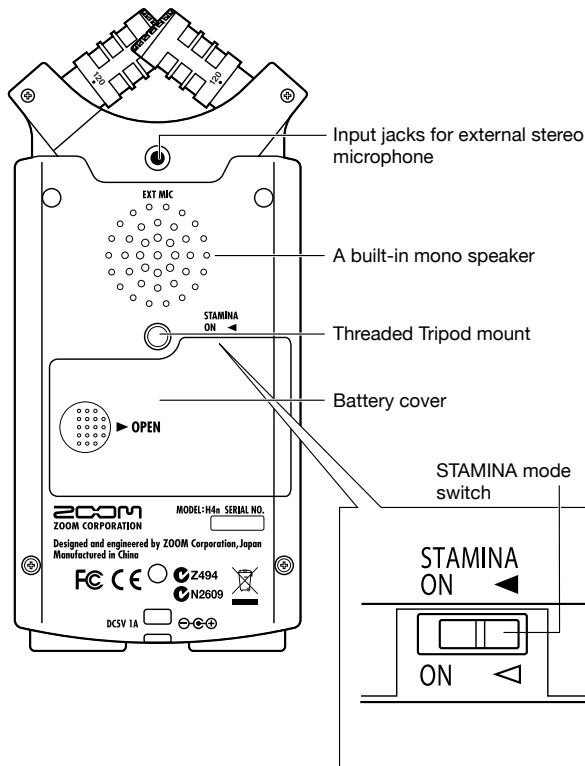Transport Control Buttons

[REC] Button

[BACK PANEL]

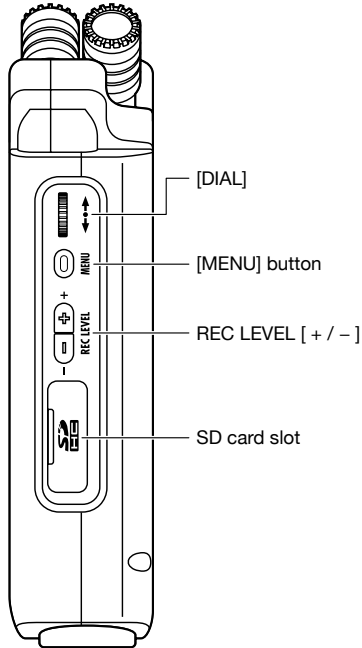Input jacks for external stereo microphone

A built-in mono speaker
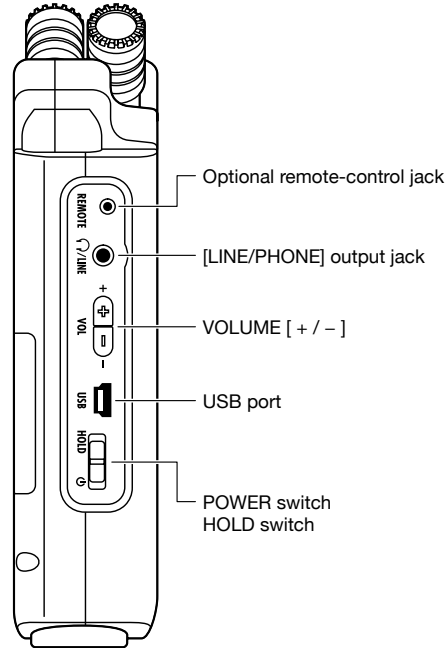
Threaded Tripod mount

Battery cover

STAMINA mode switch

STAMINA
ON ◄

ON ◄

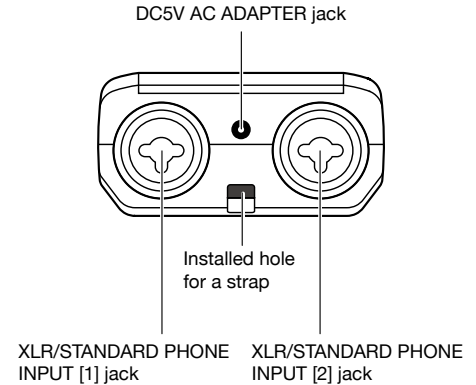**[RIGHT PANEL]**

[DIAL]

[MENU] button

REC LEVEL [+ / −]

SD card slot

[LEFT PANEL]

Optional remote-control jack

[LINE/PHONE] output jack

VOLUME [+ / −]

USB port

POWER switch
HOLD switch

[BOTTOM PANEL]

DC5V AC ADAPTER jack

Installed hole
for a strap

XLR/STANDARD PHONE
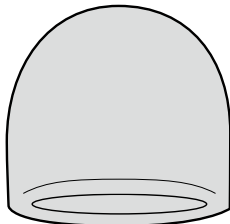INPUT [1] jack

XLR/STANDARD PHONE
INPUT [2] jack

2-2 Included Accessories

The following accessories are included in the H4n package.
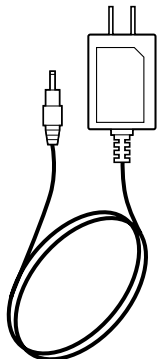Inspect the package contents to be sure all accessories are included.

SD CARD
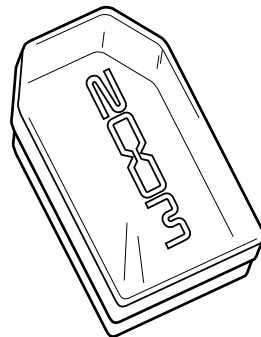
WINDSHIELD

MICROPHONE STAND ADAPTER

AC ADAPTER
(ZOOM AD-14)

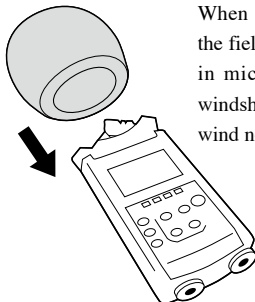**USB CABLE**

MAIN BODY CASE
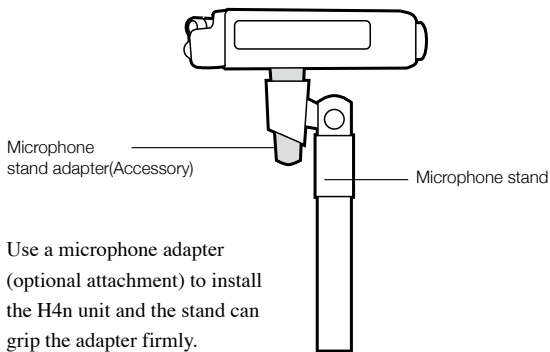
Instruction manual

**DAW start-up guide**

Cubase LE4

•**How to use the windshield**

When recording outside in the field, covering the built-in microphones with this windshield, you can reduce wind noise.

REMOTE

Remote control (Option, sold separately)

•**How to mount to a microphone stand**

Microphone stand adapter(Accessory)

Microphone stand

Use a microphone adapter (optional attachment) to install the H4n unit and the stand can grip the adapter firmly.

REC

VOLUME   REC LEVEL
+   +
−   −

INPUT
MIC   ■   ►/II

1   ◄◄   ►►

2

ZOOM

[FRONT PANEL]   [SIDE PANEL]
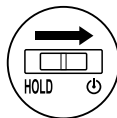
016
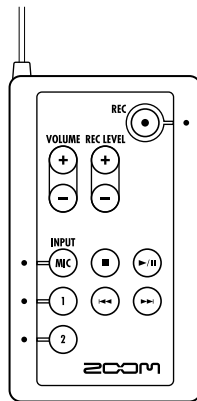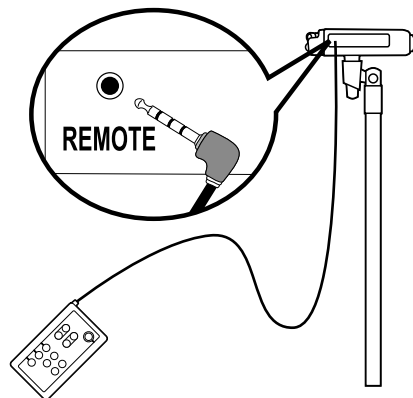
4-1   Power On and Off, How to use power and hold switch

[**LEFT PANEL**]
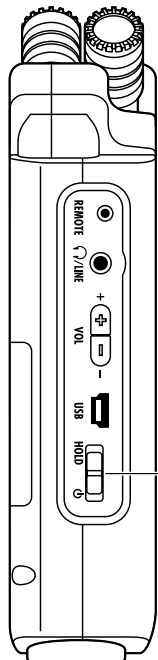
POWER switch
HOLD switch

1 [Preparation]
Make sure all equipment is turned off.

2 **Insert SD card.**

**3** [Power On _ Boot up]
Slide the power switch.

VER = 1.00

ZOOM

4 **Switch on connected instruments and monitors.**

NOTE

• Before switching the power on, lower the volume of instruments and monitors connected to the H4n.

• If the display reads "No Card" when booting up, make sure that the SD card is inserted correctly.

No Card

• If the display says "Reset DATE/TIME" when booting up, the date and time are set to the primary value.

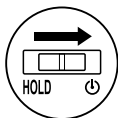Reset DATE/TIME
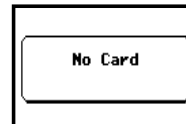
Ref. P.028
<DATA/TIME>

HINT: Procedure for power on.

When using additional audio devices, power them on in the following order:

Instruments ➡ H4n ➡ Mixer ➡ AMP
ON   **ON**   **ON**   **ON**

POWER OFF / SHUT DOWN

1 **[Preparation]**
Turn off monitors first then instruments

2 **[Power Off _ Shut down]**
Slide the power switch.

```
■00:00:00:000

GoodBye See You!

SD005:09:10
```

* shut down screen

HINT **Procedure for power off**

AMP ➡ Mixer ➡ H4n ➡ Instruments
OFF   OFF   OFF   OFF

① ② ③ ④
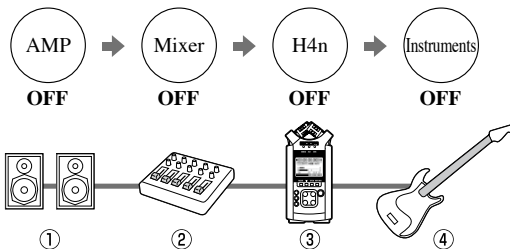
HOLD Function

The H4n features a HOLD function to make any button operation inactive, preventing errors during recording.

To engage the hold function, slide switch to hold position.

```
■00:00:00:000 🔋

Key Hold
🔒↝

SD005:09:10
```
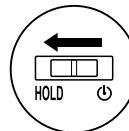
* 'Key Hold' display

If you press any button while the HOLD function is engaged, the screen will display "Key Hold" for two seconds. To disengage the HOLD mode, slide power switch out of hold position.

4-6　How to use [DIAL] and [MENU] buttons
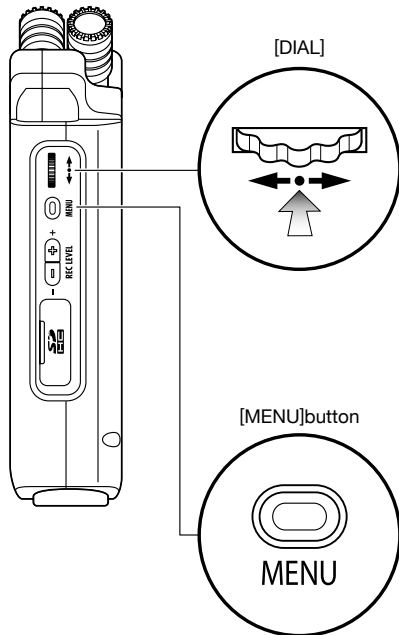
[DIAL] and [MENU] buttons are used for various settings while recording and during playback.
Here are some basic explanations about each operation.

[RIGHT PANEL]

[DIAL]

[MENU]button

MENU

The basic operation for [DIAL]

Select

Rotate the [DIAL] = select an item

Rotate the [DIAL], and the cursor on the display will move along the [DIAL]

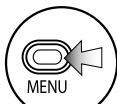**Press**

Press in the [DIAL] = confirm the selection

Press down [DIAL], your selection is confirmed.
→ for additional selections, move on to the next screen.
→ When you complete selections, the screen returns back to the previous one.

The basic operation for [MENU] button

Select

Calling [MENU] screen

When setting recording or playback method, Press [MENU] button at the top screen of each mode.

Long Press

Canceling the setting

If you press the [MENU] button during any setting operation, its operation will be canceled and the screen returns back to the previous one.
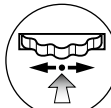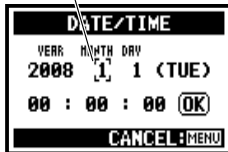To cancel setting operation and to return back to the top screen of the each mode, press [MENU] button for more than 2 seconds.

The operation when [ ] cursor is on display (Date·Time Setting, Changing File Name Directory, etc)

When you rotate the [DIAL], [ ] moves accordingly.

[ ] move accordingly.

DATE/TIME
YEAR MONTH DAY
2008 1   1 (TUE)
00 : 00 : 00 (OK)
CANCEL:MENU

DATE/TIME
YEAR MONTH DAY
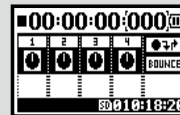2008 1   1 (TUE)
00 : 00 : 00 (OK)
CANCEL:MENU

Pressing [DIAL] in, change the numbers and letters.

The item letters or numbers are reversed →Rotate [DIAL] to change the numbers and letters→Press [DIAL] down to confirm your selection.

DATE/TIME
YEAR MONTH DAY
2008 1   1 (TUE)
00 : 00 : 00 (OK)
CANCEL:MENU

[DIAL] operation on the top screen

■00:00:00:000

Moving [DIAL] on the top screen, 'cursor' moves. Pressing (highlight) [ ] selects 'COUNTER' to enable adjustment or calls up the setting menu.
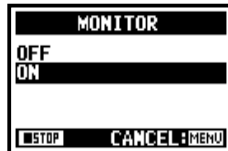
* Available only on MTR mode.

The operation when the selections are listed on screen

By rotating the [DIAL], the selection lists will move accordingly.

[ ] move accordingly.

INPUT SETTING
LO CUT   →
COMP/LIMIT →
MONITOR   OFF
LEVEL AUTO OFF
■STOP   ▶FOLDER:01

INPUT SETTING
LO CUT   →
COMP/LIMIT →
MONITOR   OFF
LEVEL AUTO OFF
■STOP   ▶FOLDER:01

Push [DIAL] in, to confirm your selection.

the screen returns back to the previous one.

MONITOR
OFF
ON
■STOP   CANCEL:MENU

INPUT SETTING
LO CUT   →
COMP/LIMIT →
MONITOR   ON
LEVEL AUTO OFF
■STOP   ▶FOLDER:01

About the '→' on the selection lists

NPUT SETTI
CUT   →
P/LIMIT →

When you see this display, there are more selections on the next screen. Highlight arrow and press [DIAL] in to move on to the next screen.