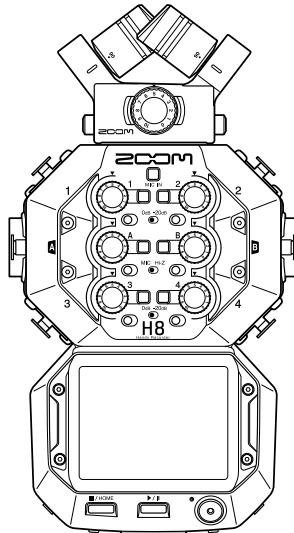


ZOOM®

H8

Handy Recorder



Quick Guide

You must read the Usage and Safety Precautions before use.



The Operation Manual can be downloaded from the ZOOM website (www.zoom.jp/docs/h8). This page has files in PDF and ePub formats.

The PDF file format is suitable for printing on paper and reading on a computer.

The ePub format can be read with electronic document readers and is designed for reading on smartphones and tablets.

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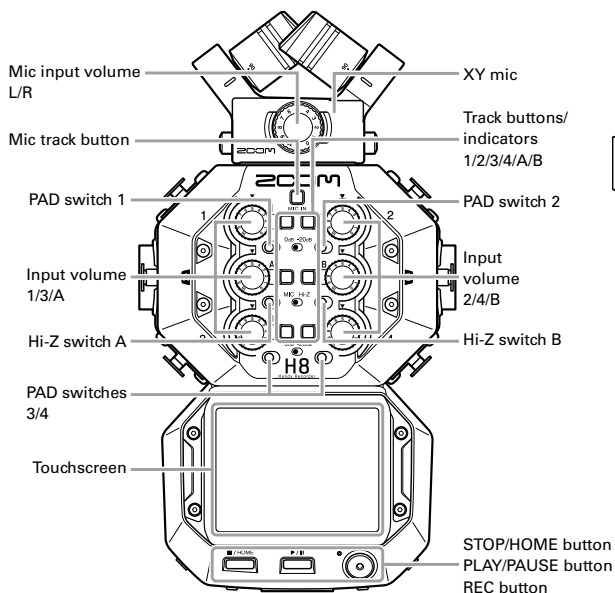
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You might need this manual in the future. Always keep it in a place where you can access it easily.

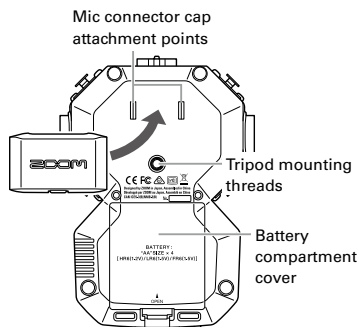
The contents of this manual and the specifications of the product could be changed without notice.

Names of parts

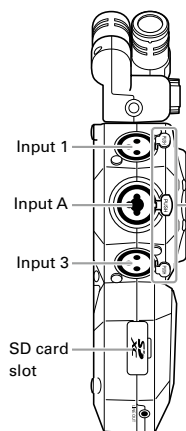
■ Top



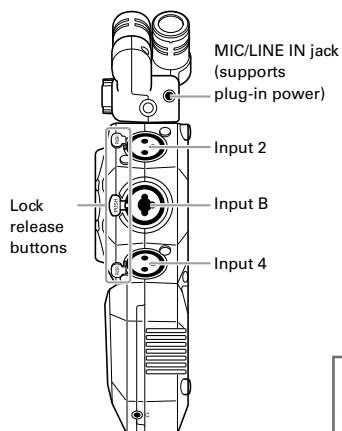
■ Bottom



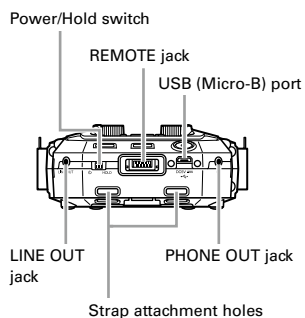
■ Left side



■ Right side



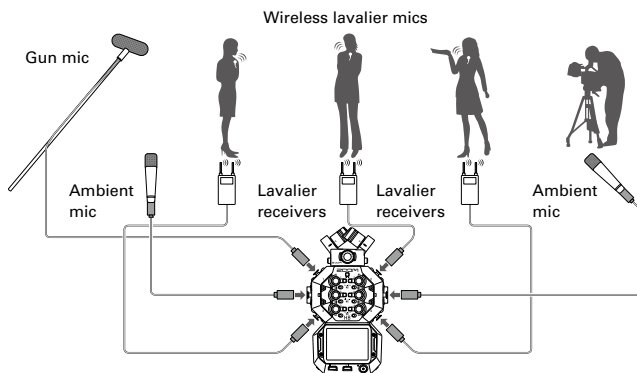
■ Front



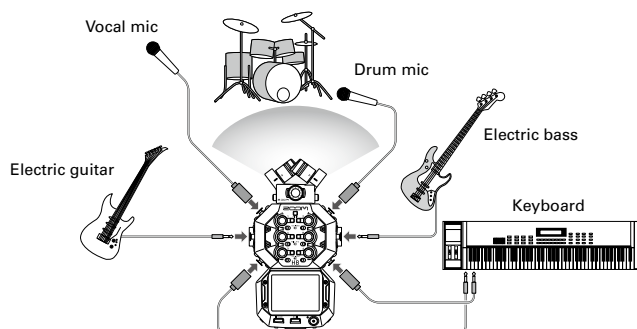
By connecting a ZOOM BTA-1 or other dedicated wireless adapter to the REMOTE jack and using the dedicated controller app, the **H8** can be operated from an iOS/iPadOS device.

Connection examples

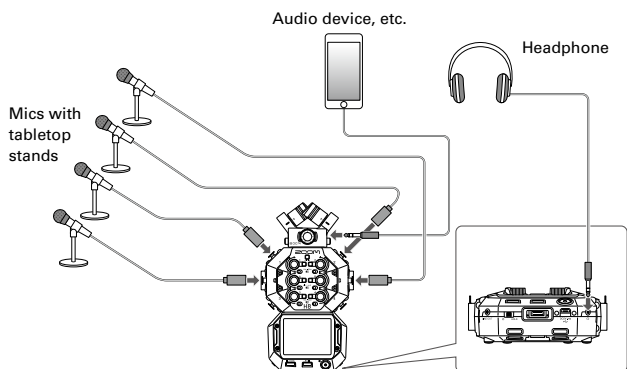
■ Field recording



■ Music creation



■ Podcasting

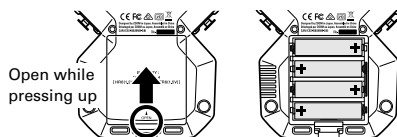


Preparations

Installing batteries and an SD card

■ Installing batteries

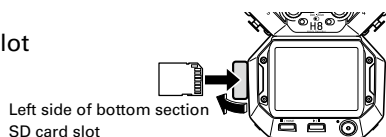
1. After turning the power off, open the battery compartment cover and install batteries.



■ Installing an SD card

1. After turning the power off, open the SD card slot cover and insert an SD card.

To remove an SD card, push it further into the slot and then pull it out.



NOTE



- Use alkaline batteries, rechargeable NiMH batteries or lithium batteries.
- To enable accurate display of remaining battery charge, set the battery type using Home Screen > SYSTEM > Battery.
- SD cards must be formatted by **H8** before use. To format, use Home Screen > SD CARD > Format.

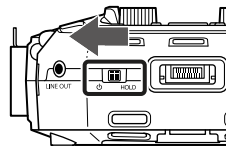
HINT

AC power can be used by connecting a dedicated AC adapter (ZOOM AD-17) to the USB port.

Turning the power on/off

1. Slide  **HOLD** toward  to turn the power on.


When the power is off, keep sliding  **HOLD** toward  until the ZOOM logo appears.



NOTE

- If "No Card !" appears on the display, confirm that an SD card is inserted properly.
- If "Card Protected !" appears on the display, the SD card write-protection is enabled. Slide the lock switch on the SD card to disable write-protection.
- If "Invalid Card !" appears on the display, the card is not formatted correctly. Format the card or use a different card.

HINT

- Sliding  HOLD to toward HOLD will disable button and touchscreen operations.

Setting the language (first time starting up)

The first time you turn the power on after purchase, set the touchscreen display language when the language setting screen opens.

1. Tap the language you want to set.



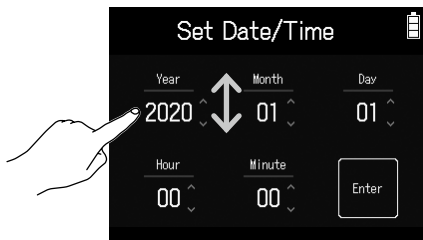
HINT

The display language can be changed later using Home Screen > LANGUAGE.

Setting the date and time (first time starting up)

When the date and time setting screen opens after the language settings screen, set the date and time.

1. Swipe the date and time items to set them.
2. Tap Enter.



HINT

The date and time setting can be changed later using Home Screen > SYSTEM > Date/Time > Set Date/Time.

Screen appearance


On the **H8**, tap, swipe and slide on the screen to make settings and select functions to adjust.

■ Home Screen

The Home Screen appears when the **H8** starts up.

From the Home Screen, three recording applications, various setting screens and other functions can be launched.



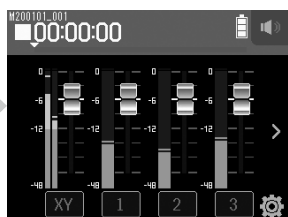
- Tap an icon to launch that app.
- Press  to return to the Home Screen.



FIELD app

Use this when field recording with the XY mic.

This app is also good for capturing sound for movies and videos as well as recording live concerts, for example, using external mics.



MUSIC app

Use this when making music.

In addition to punch-in/out functions for vocals and instruments, this app can also mix down multiple tracks with volume and panning settings.



PODCAST app

This app is good for preparing audio materials for podcasts as well as live streaming. Sound pads can be used to play jingles and special effects, for example, with a single touch.

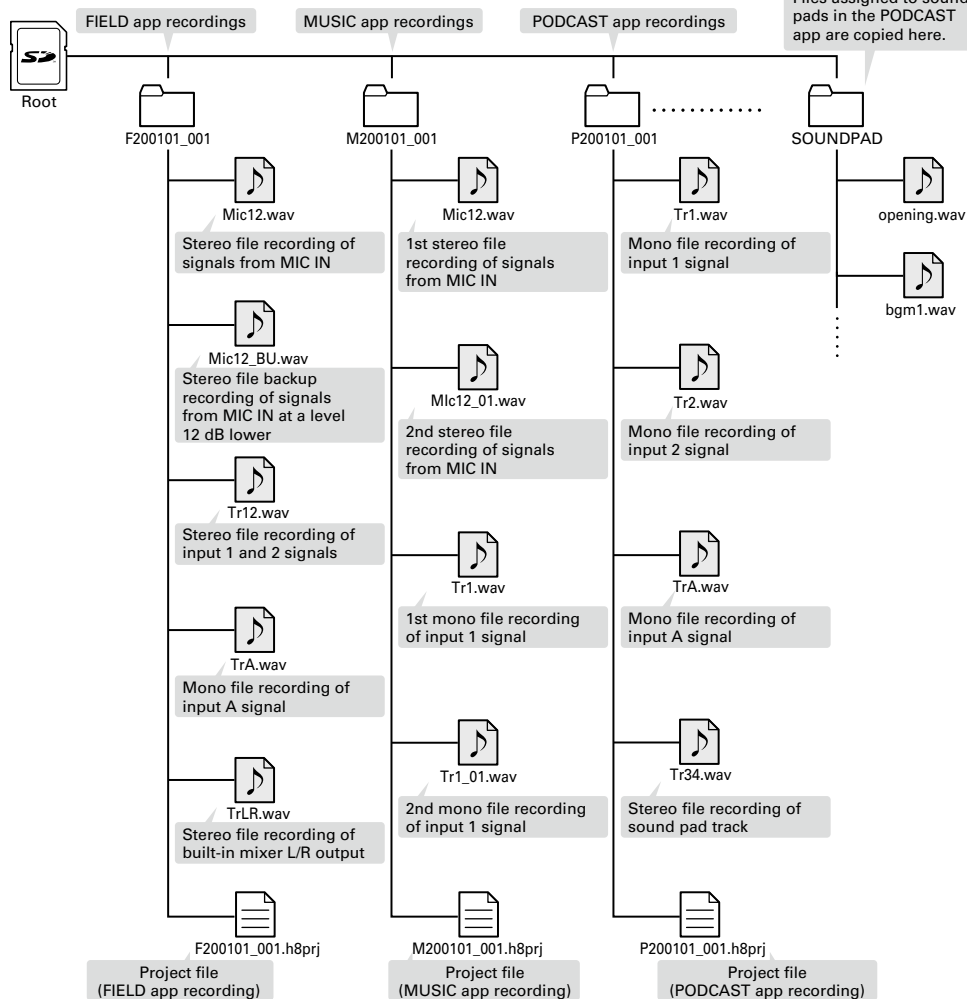
H8 folder and file structure

When recording with the **H8**, folders and files are created on SD cards in the following manner. All three apps (FIELD, MUSIC and PODCASTS) can be used with projects that have been made. (Recording and playback of 96 kHz/16-bit and 96 kHz/24-bit WAV files is only supported by the FIELD app.)

The **H8** manages recording and playback data in units called projects.

Project folders are created with names like "[date]_001" and "[date]_002". (The date format is YYYYMMDD.)

Files assigned to sound pads in the PODCAST app are copied here.



Input and output settings

Setting input sources

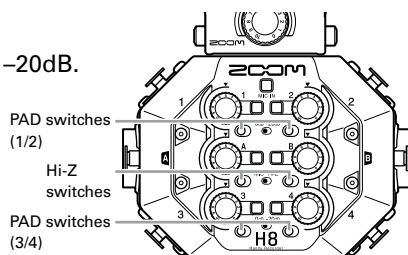
Set according to the devices connected to Inputs 1–4/A/B.

■ Connecting a mixer or other device with a +4 dBu standard output level (Inputs 1–4)

1. Set the corresponding PAD switches (○) to –20dB.

■ Connecting guitars and other devices with high output impedance (Inputs A/B)

1. Set the corresponding Hi-Z switches (○) to Hi-Z.

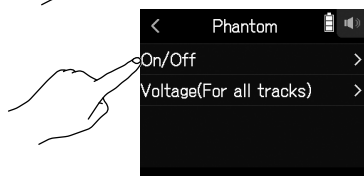
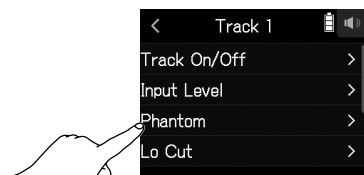


HINT

When connecting an ordinary mic, set the PAD switch to 0dB.

■ Connecting condenser mics and other devices that require phantom power (Inputs 1–4/A/B)

1. Tap these in the following order:
 - FIELD app screen > > select track
 - MUSIC app screen > select track >
 - PODCAST app screen > > select track
2. Tap Phantom.
3. Tap On/Off to set to On.



NOTE

- When connecting devices that are not compatible with phantom power, do not turn phantom power on. Doing so could damage the device.
- When connecting a dynamic mic, phantom power does not need to be supplied.

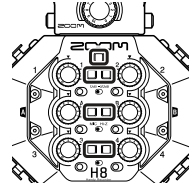
HINT


In addition to +48 V, phantom power can also be set to +24 V.

Enabling tracks (and stereo linking)

Select which tracks to record from MIC IN, 1–4 and A/B.

The MIC IN, 1–4 and A/B tracks correspond to the MIC IN, 1–4 and A/B inputs.



1. Launch the recording app, and press the track buttons () for the tracks to record so that the corresponding LED indicators light red.

HINT

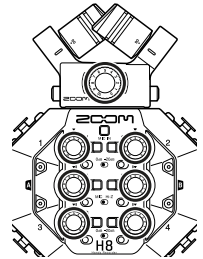
While pressing a track button, pressing the adjacent button (1 and 2, 3 and 4, or A and B) will stereo link those tracks, making a stereo track and creating stereo files on the SD card. Do the same thing to end a stereo link.

Adjusting input levels (trim)

Adjust the input levels to record with high audio quality.



1. Turn  for the selected tracks to adjust their input levels.


Adjust so that their peak levels stay around -12 dB on the level meter.

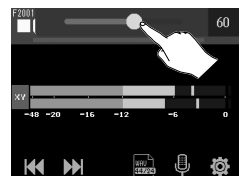


Adjusting headphone and speaker levels

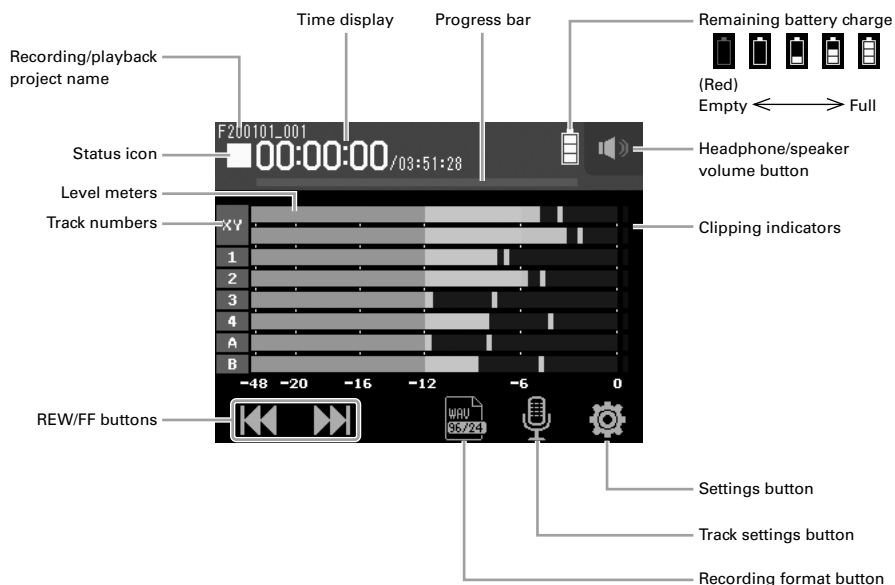
Use headphones, for example, to monitor input/playback sounds and adjust levels (volume).

1. Tap  /  at the top right of the screen.
A speaker icon will appear when headphones are not connected.


2. Slide  to adjust the volume.
3. When done adjusting, tap the volume value at the top right of the screen.







Using the FIELD app



Recording

1. Press  on the FIELD app screen.


■ Operations during recording

Function	Control operation
Pause/resume recording (add mark)	Press  .
Stop	Press  /  or  .






NOTE

- When recording is paused, a mark is added at that point.
- A maximum of 99 marks can be added in each project.
- If the recording file size exceeds 2 GB when recording with the FIELD or PODCAST apps, a new project folder will be created automatically and recording will continue. Sound will not be interrupted between files.
- Track indicators (LEDs) will blink and clip indicators will appear lit when loud sounds are input. Adjust the input level so that the clip indicators do not light.


Playing recordings

1. Press  on the FIELD app screen.

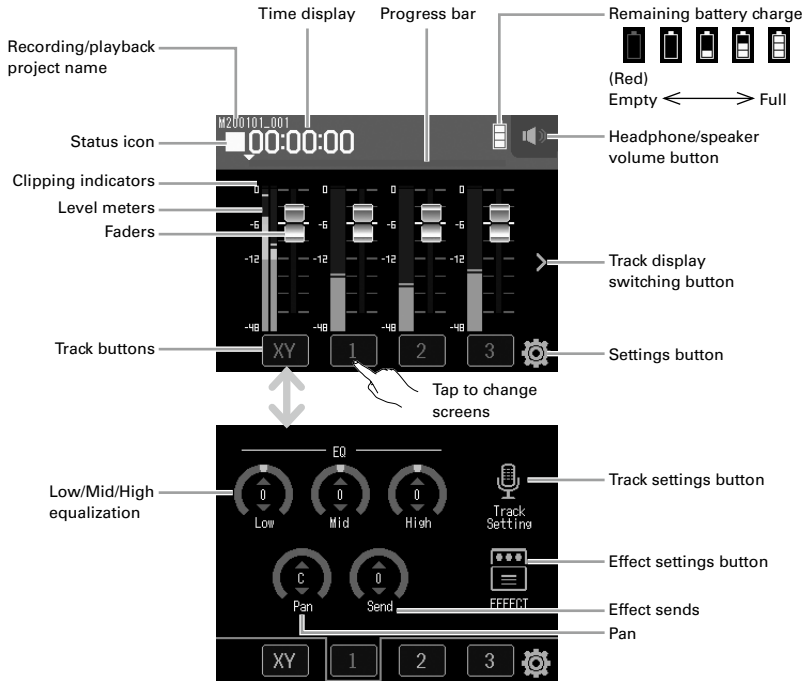
■ Operations during playback

Function	Touchscreen/control operation
Select playback project/move to mark	Tap 
Search forward/backward	Press and hold  Slide  left/right.
Pause/resume playback	Press 
Stop	Press  / HOME

Other functions

Function name	Details
Automatic recording	Recording can be started and stopped automatically in response to the input level.
Pre-recording	This function enables recording for up to 6 seconds before  is pressed.
Sound markers	Half-second tone signals (sound markers) can be output from the PHONE OUT and LINE OUT jacks when recording is started and stopped. Since sound markers are also written to recording files, when recording audio for video with the H8 , sending its output signal to the camera input can make synchronizing audio and video easier.
Backup Rec	When using a mic capsule with up to two channels on the MIC IN, a backup recording file can be recorded at a level 12 dB lower than the set input level. This can be used to replace the regular recording file if its recording level was too high, causing distortion, for example.
L/R track recording	A stereo file recording of the L/R outputs from the built-in mixer can be simultaneously created.

Using the MUSIC app



Creating new projects


In the MUSIC app, a project must be created before starting recording.

1. On the MUSIC app screen, tap and select > New Project > Rec Format in order.
2. Tap a Rec Format setting value to select it, and tap .
3. Tap Create, and input the project name.
4. Tap Enter.


NOTE

When a new project is created, all recording tracks will be off, so change settings as necessary.



HINT

- The recording formats that can be set are 44.1 kHz/16-bit WAV, 44.1 kHz/24-bit WAV, 48 kHz/16-bit WAV, and 48 kHz/24-Bit WAV.
- Effects can only be used when the recording format is 44.1 kHz/16-bit WAV or 44.1 kHz/24-bit WAV.
- To open an existing project, select it from  > Projects.





Adjusting the input signal monitoring mix

1. On the MUSIC app screen, slide faders  up and down.

Recording

1. Press  on the MUSIC app screen.
This starts recording standby.
2. Press .
This starts recording.





■ Operations during recording

Function	Control operation
Pause/resume recording	Press 
Stop	Press  /  or 

Playing recordings

1. Press  on the MUSIC app screen.

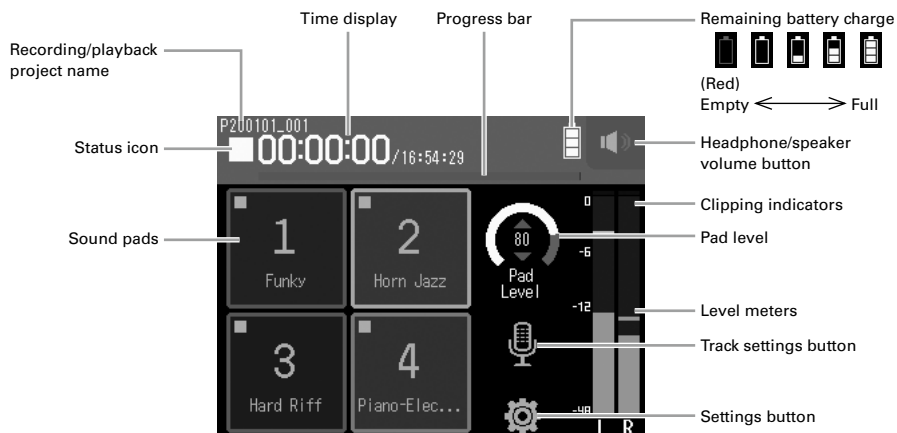
■ Operations during playback

Function	Touchscreen/ control operation
Search forward/ backward	Slide  left/right.
Pause/resume playback	Press 
Stop	Press  / 

Other functions

Function name	Details
Effects	These alter the sounds of instruments, voices and other sources. The included effects, which are equivalent to those in ZOOM multi-effects processors, can be used with a variety of instruments. Using the free Guitar Lab effect management application on a computer (Mac/Windows), you can add effects that are distributed online as well as edit and back up patch memories, for example.
Metronome	This is useful when recording instrument performances.
File assignment	Track files recorded in other projects can be freely assigned to tracks.
Punch in/out/new file recording	These functions can be used to make a new recording of an already recorded track partially or from the beginning.
Mixdown	Levels, panning, EQ and effects can be adjusted for multiple track sound sources, and a mixed stereo track file can be created.




Using the PODCAST app



Recording

1. Press  on the PODCAST app screen.

■ Operations during recording

Function	Control operation
Pause/resume recording (add mark)	Press  .
Stop	Press  / HOME or  .










NOTE

The podcast app creates a stereo file that mixes in the sound pad signals. Inputs 3 and 4 cannot be used.

Playing recordings

1. Press  on the PODCAST app screen.

■ Operations during playback

Function	Touchscreen/control operation
Select playback project/move to mark	Tap  /  .
Search forward/backward	Press and hold  /  Slide  left/right.
Skip 15 seconds	Tap  /  .
Pause/resume	Press  .
Stop	Press  / HOME.

Other functions

Function name	Details
Sound pads	<p>Audio files (WAV format) can be assigned to buttons on the touchscreen that play them back. These are useful, for example, for playing effect sounds during podcasting and streaming as well as during live theater and music performances.</p> <p>When shipped new from the factory, the H8 has 13 built-in sounds, and 4 are pre-assigned to sound pads.</p>
Effects	<p>These alter the sounds of instruments, voices and other sources. The included effects, which are equivalent to those in ZOOM multi-effects processors, can be used with a variety of instruments. Using the free Guitar Lab effect management application on a computer (Mac/Windows), you can add effects that are distributed online as well as edit and back up patch memories, for example.</p>

Main Specifications

Number of input channels	8 (XY mic capsule, 1-4, A, B)	
Number of output channels	1 (combined stereo headphone/line)	
Connectors	MIC IN	ZOOM mic connector
	INPUT 1-4	XLR jacks (2: HOT)
	INPUT A/B	XLR/TRS combo jacks (XLR: 2 hot, TRS: TIP hot)
	USB	USB Micro-B (audio interface, mass storage and Guitar Lab connection functions) Note: Use a USB cable that supports data transfer. Operation using USB bus power is possible.
	REMOTE	ZOOM BTA-1 or other dedicated wireless adapter
	PHONE OUT	3.5 mm stereo mini
Phantom power	+24 V/+48 V (independent ON/OFF for INPUTS 1-4, A and B)	
Recorder	Recording media	Cards that support SD/SDHC/SDXC specifications
	Formats	WAV: 44.1/48/96 kHz, 16/24-bit, mono/stereo MP3: 128, 192, 320 kbps
	Maximum simultaneous recording tracks	12 (MIC IN, backup recording, 1-4, A, B, and LR)
Audio interface	Multitrack mode	44.1/48/96 kHz, 16/24-bit, 12-in/2-out
	Stereo mix mode	44.1/48 kHz, 24-bit, 2-in/2-out
Tuner	Chromatic/Guitar/Bass/Open A/Open D/Open E/ Open G/DADGAD	
Built-in speaker	400 mW 8Ω mono speaker	
Display	2.4" (320×240) full-color touchscreen LCD	
Power	<ul style="list-style-type: none"> • 4 AA batteries (alkaline, NiMH or lithium) • AC adapter (ZOOM AD-17): DC 5 V/1A • USB bus power 	
Estimated continuous operation time using batteries (hours: minutes)	Using alkaline batteries Using XY mic, 44.1 kHz/24-bit (stereo × 1): about 15:00 <ul style="list-style-type: none"> • The above values are approximate. • Continuous battery operation times were determined using in-house testing methods. They will vary greatly according to use conditions. 	
External dimensions	H8: 116.4 mm (W) × 163.3 mm (D) × 48.6 mm (H) XYH-6: 78.9 mm (W) × 60.2 mm (D) × 45.2 mm (H)	
Weight	H8: 354 g XYH-6: 130 g	

Note: When using a USB cable designed for recharging, audio interface, SD card reader and Guitar Lab connection functions cannot be used.



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