H3 Control

Version 1.0

No SIM	13:49	

■ 00:00:00 / 00:57:00

180101_001

Format	Limiter	⌐
AmbiX 48k/24bit	OFF	OFF

-0
-6
-12
-18
-24
-30
-36
-42
-48

W Y Z X

Mic Position

◀ Auto Upright ▶

Mic Gain	🎧	Line Out

🔓

☰ MENU   🚩 MARK

■   ▶/‖   ●

⏮   ⏭   ZOOM

Contents

Introduction

H3 Control is an app that enables wireless control of the ZOOM **H3-VR**. By installing H3 Control, you can use an iPhone, iPad or iPod touch (6th generation or later) as a remote control for an **H3-VR**.(A ZOOM BTA-1 or other dedicated wireless adapter is also necessary to operate an **H3-VR** with H3 Control.)

In addition to the fundamental operations of starting/stopping recording/playback and searching forward/backward, you can use this app to add marks and make various settings. You can also use it to check input levels and the remaining battery charge as well as to monitor the remaining recording time.

Moreover, with this app, you can directly input characters from the iOS device to change file names and to add notes and data used when recording, including the date and time.

This manual does not explain operation of the **H3-VR** itself. See the **H3-VR** Operation Manual for detailed information about all its functions.

Features
■ Verify important settings with a glance
With a quick look you can check important recording and playback settings, including the level of each track, the recording mode and format and whether the limiter and low-cut filter are on or off.
You can also monitor the remaining battery charge and remaining recording time.

■ Rename files and add notes (metadata)
Using the iOS device keyboard, you can input file names and notes. You can also input long phrases without stress.

■ Set the time
Use the iOS device time information to quickly set the time on the **H3-VR**. This allows you to set the time accurately with ease.

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Installing H3 Control

1. **Open the App Store on the iOS device and search for "H3 Control".**

2. **Tap "GET" on the H3 Control screen.**
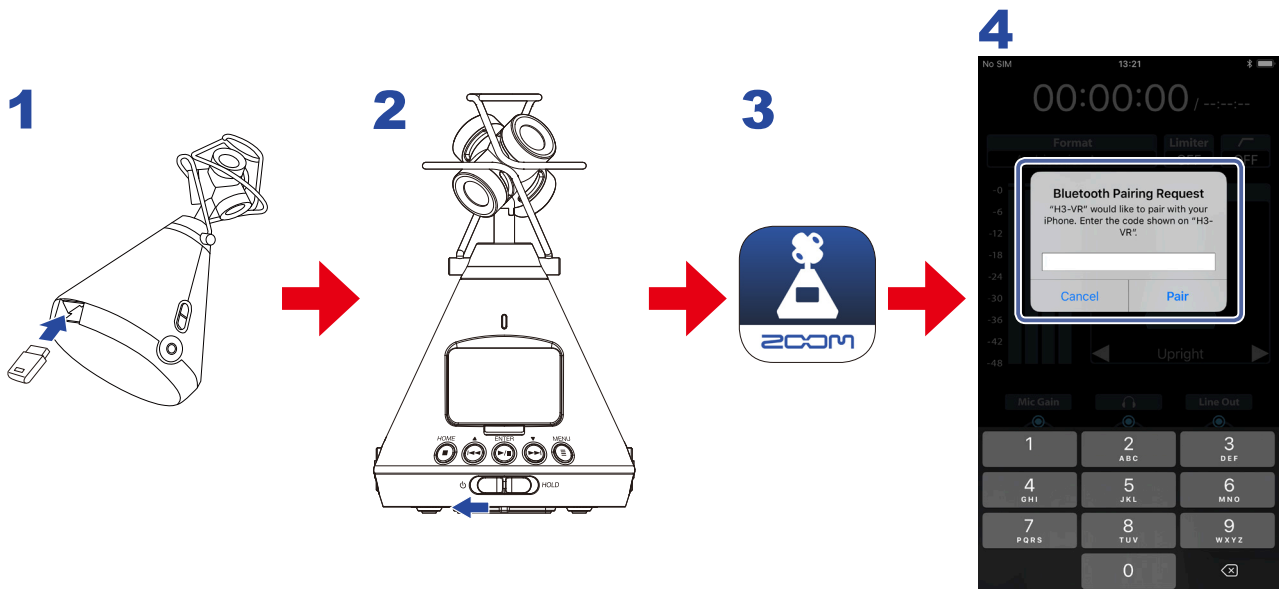This will install H3 Control on the device.

> NOTE
> · The first time that you launch H3 Control, you must pair it with the **H3-VR** that it will operate.

Pairing the **H3-VR** and the connected device

The first time that you launch H3 Control, you must pair with the **H3-VR** to establish their connection.

1   **2**   **3**   **4**

1. **Remove the H3-VR REMOTE connector cover and connect a BTA-1 or other dedicated wireless adapter.**

2. **Start the H3-VR.**
A password to identify the BTA-1 or other dedicated wireless adapter will be shown on the **H3-VR** display.

3. **Tap the H3 Control app icon on the iOS device.**
H3 Control will launch, and a password input screen will appear on the iOS device display.

4. **Input the 6-digit password that appears on the H3-VR display and tap "Pair".**
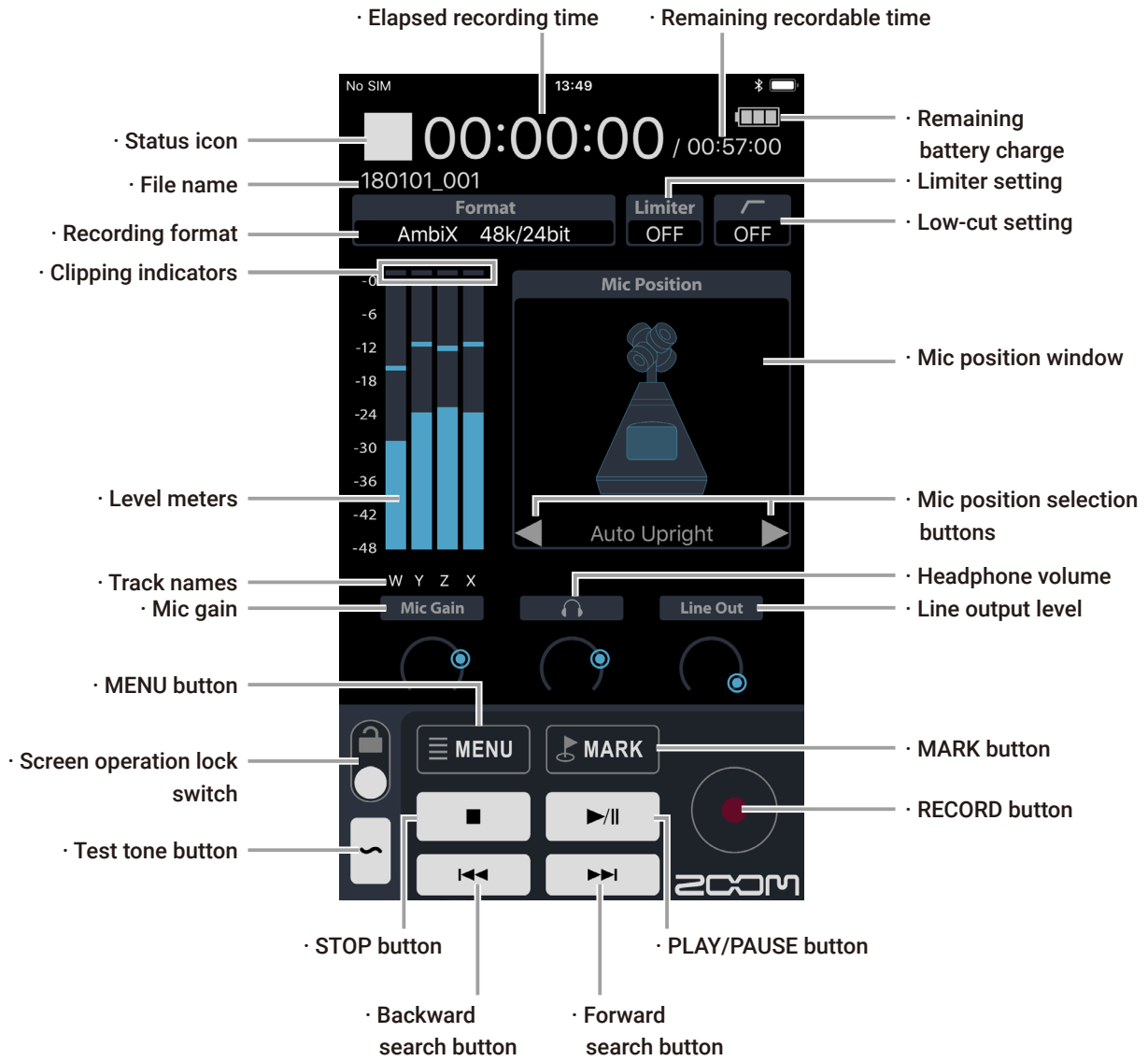When pairing completes, "Connected" will appear on the **H3-VR** display.

> **HINT**
> · If pairing is not successful, move the device closer to the **H3-VR** or move both to a place where nothing interferes with radio waves and start H3 Control again. Confirm also that the Bluetooth function of the iOS device can be used.
> · Entering a password will not be necessary when launching the app again in the future.

> **NOTE**
>
> · Only one iOS device can be paired with the **H3-VR** at a time. Pairing a different iOS device will make it no longer possible to connect with the previously paired iOS device. Trying to connect the previous iOS device will cause an error message to appear on the **H3-VR** display and turn the BTA-1 off.
>
> · To reconnect a previously paired iOS device, follow the instructions in the operation manual for the iOS device that you are using to remove the **H3-VR** that is registered as a Bluetooth device. Then, after you launch H3 Control, the password input screen will appear, making pairing possible.

Recording

● Home/Recording Screen

· Elapsed recording time · Remaining recordable time

· Status icon

· File name

· Recording format

· Clipping indicators

· Level meters

· Track names

· Mic gain

· MENU button

· Screen operation lock switch

· Test tone button

· Remaining battery charge

· Limiter setting

· Low-cut setting

· Mic position window

· Mic position selection buttons

· Headphone volume

· Line output level

· MARK button

· RECORD button

· STOP button

· PLAY/PAUSE button

· Backward search button

· Forward search button

Screen operation lock switch setting

Setting	Description
	All screen settings are available.
	All operations are disabled except the screen operation lock switch.

● Setting the mic position

Set the mic position used for recording.

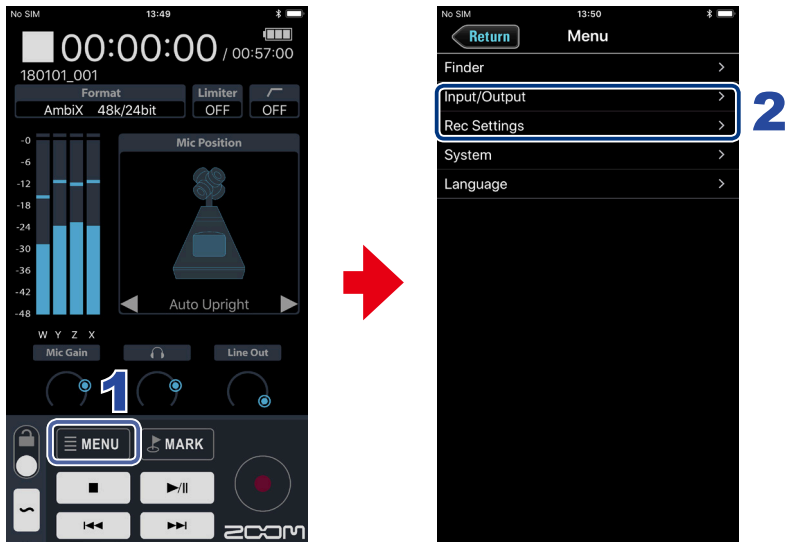
1. **Tap ◀ and ▶ on the Home Screen.**

This changes the mic position setting and the mic position image on the screen.

> **NOTE**
> · When Mic Position is set to Auto, the word "Auto" will appear before the current mic position, for example "Auto Upright".
> · The Mic Position setting cannot be changed while recording.

● Menu items related to recording

Make various settings related to recording.

1. **Tap ☰ MENU on the Home Screen.**

2. **Tap an item on the Menu Screen to select it, and then change the setting.**

   Input/Output

Setting	Description
Lo Cut	This function can reduce noise, including air-conditioning, wind and vocal pops.
Limiter	The limiter can prevent distortion by reducing loud input signals.
Ambisonic Monitor	This sets how input sounds in Ambisonic format are monitored.

   Rec Settings

Setting	Description
Rec Mode	This sets the file format used to record files.
Rec Format	The recording format can be selected in consideration of audio quality and file size.
Rec File Name	This sets the file name used for recorded files (→ "Inputting characters" on page 21).
Rec File Note	This sets the note used for recorded files (→ "Inputting characters" on page 21).
Sound Marker	A tone signal (sound marker) can be output from the PHONE OUT and LINE OUT jacks when recording starts.

● Adjusting the input level (Mic Gain)

The input level (mic gain) used during recording can be adjusted.

1. **Drag the Mic Gain on the Home Screen up and down to adjust the level.**

   HINT
   · Double-tapping Mic Gain will set it to 50.
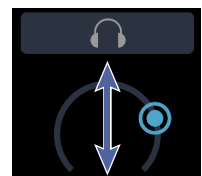
● Adjusting headphone volume

The volume used for monitoring with headphones, for example, can be adjusted.

1. **Drag the headphone volume on the Home Screen up and down to adjust the level.**

   HINT
   · Double-tapping the headphone volume will set it to 80.

● Adjusting line output volume

The line output level can be adjusted.

1. **Drag the Line Out level on the Home Screen up and down to adjust the level.**

> HINT
> · Double-tapping the Line Out level will set it to 0 dB.
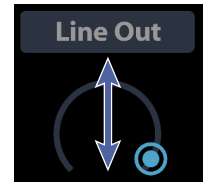
● Playing a test tone

A test tone can be played in order to adjust the level of a connected device.

1. **Touch [~] on the Home Screen.**

This starts output of the test tone.

Stop touching [~] to stop the test tone.

> HINT
> · When adjusting the level used with a device connected to the LINE OUT jack, touch [~] while adjusting the LINE OUT level.

● Recording

1. **Tap** ⦿ **on the Home Screen.**

2. **Tap** ►/‖ **to pause.**

   Tap ►/‖ again to restart recording.

3. **Tap** ■ **to stop.**

Playing recordings

● Playback Screen

· Elapsed playback time   · Remaining playback time

· Status icon

· Recording file name

· Playback file format

· Clipping indicators

· Level meters

· Track names

· Mic gain

· MENU button

· Screen operation lock switch

· Test tone button

· Remaining battery charge

· Play Mode window

· Play Mode selection buttons

· Headphone volume

· Line output level

· MARK button

· RECORD button

· STOP button   · PLAY/PAUSE button

· Backward search button   · Forward search button

No SIM   13:54

00:00:05 / 00:00:25

180101_002

Format
AmbiX   48k/24bit

Play Mode

0 Horizontal
1 Vertical
0 Roll

Tracking

W Y Z X

Mic Gain   Line Out

MENU   MARK

ZOOM

■ Play mode window appearance

Tracking Play Mode and Manual Play Mode   Binaural Play Mode   During stereo file playback

Play Mode

0 — Horizontal angle

1 — Vertical angle

0 — Roll angle

Tracking

Orientation of sound extracted

Play Mode

Binaural

Stereo

13
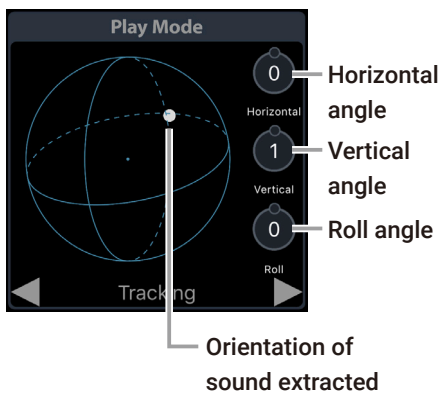
● Selecting files for playback

Files can be selected from within the same folder.
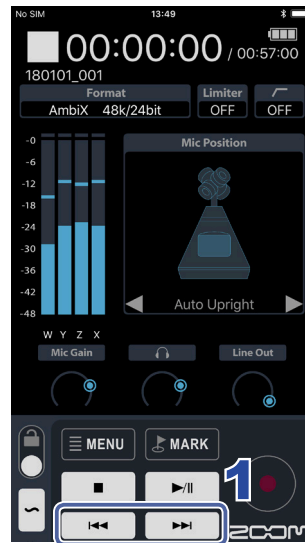
1. Tap [◄◄] or [►►|] **on the Home Screen.**

This changes the playback file.

● Playing files

1. Tap [►/‖] **on the Home Screen.**

This starts playback of the selected file.

Operations during playback

Function	Operation
Pause/resume	Tap [►/‖]
Search forward	Touch [▶▶‖]
Search backward	Touch [‖◀◀]
Move to the previous mark (if one exists) Move to the beginning of the file (if no mark exists)	Tap [‖◀◀]
Move to the next mark (if one exists) Play the next file (if no mark exists)	Tap [▶▶‖]
Play the previous file	Tap [‖◀◀] twice
Stop playback	Tap [■]

⬤ Changing the play mode

The play mode for audio files recorded in Ambisonics A and Ambisonics B (FuMa and AmbiX) formats can be changed.
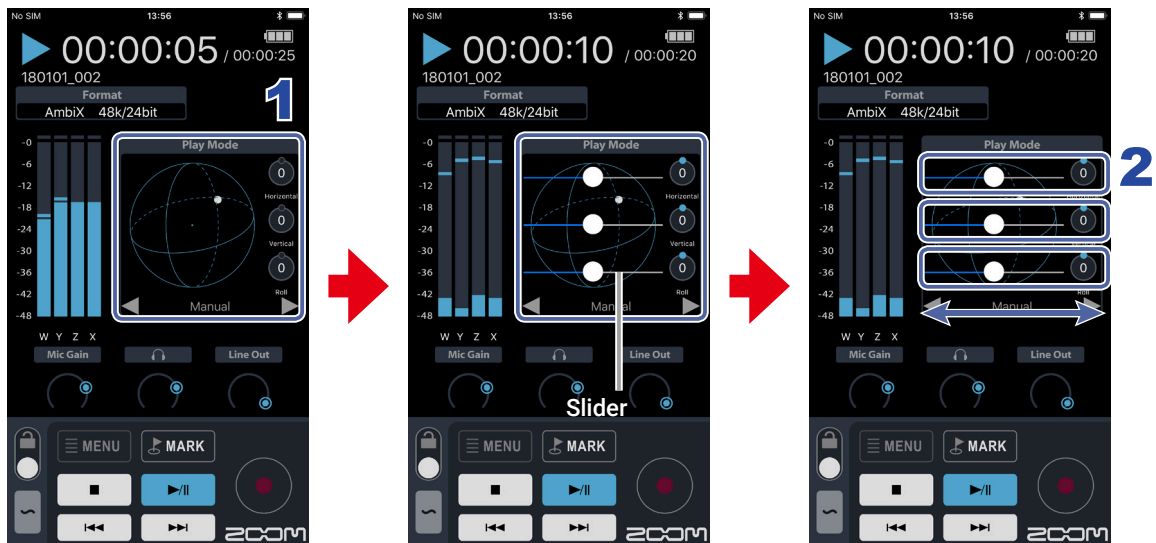

1. **During playback, tap ◀ or ▶ on the Home Screen.**

   This switches between tracking, manual and binaural play modes.

   NOTE

   · In tracking play mode, the tilt of the **H3-VR** is shown.

● Manual play mode operations

The angle of the extracted sound can be set using H3 Control.

1. **During playback, tap the Play Mode window.**

Sliders for setting the horizontal, vertical and roll angles will appear.

2. **Drag these sliders to adjust their angles.**
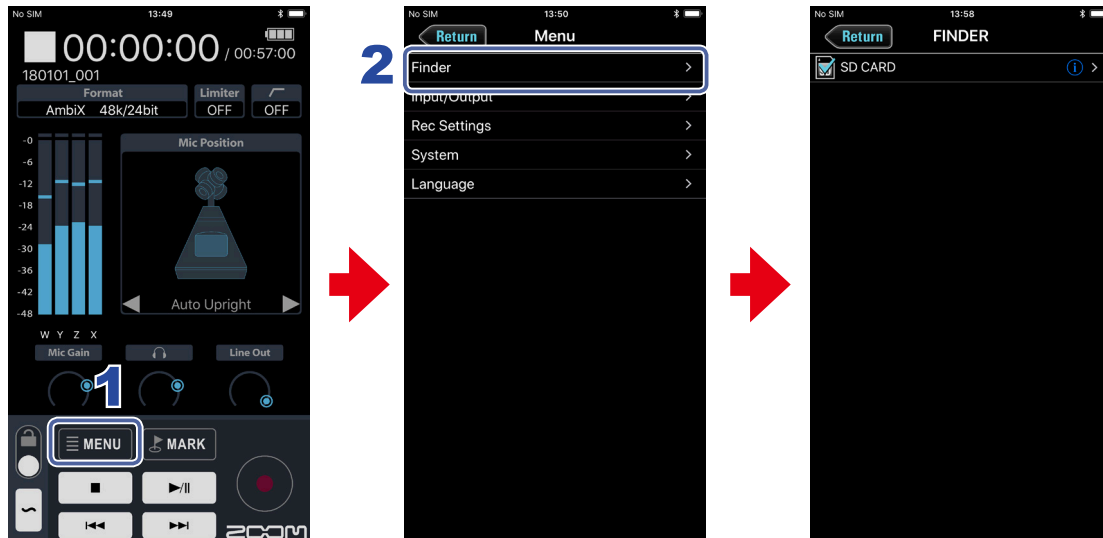
> **HINT**
> · Double-tapping the slider will set it to 0.

Managing folders and files

● Opening the FINDER screen

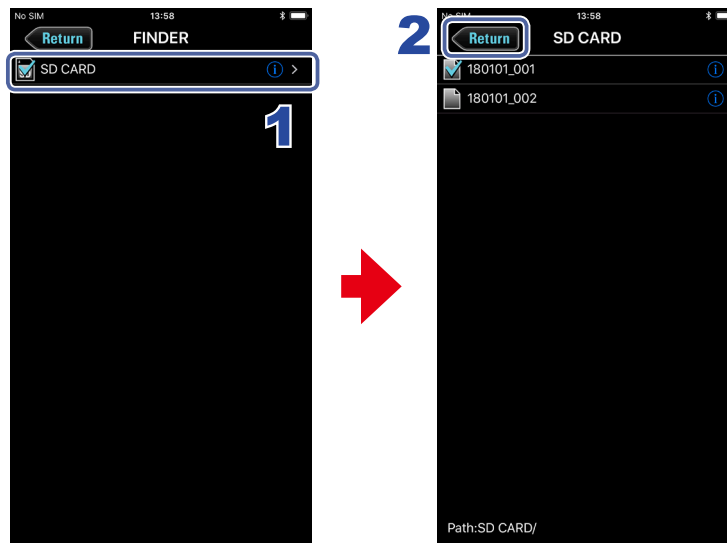Use the FINDER screen to check and edit folders and files on SD cards in the **H3-VR**.

1. Tap ☰ MENU on the Home Screen.

2. Tap FINDER on the Menu Screen.

> **NOTE**
>
> The FINDER menu name is always shown in English regardless of the language setting.
> Folder and file names will be shown according to the language.

● Opening SD cards and folders

1. **On the FINDER screen, tap the name of the folder that you want to open.**

   This shows the folders and files inside that folder.

2. **Tap** Return **to move up one level.**

● Working with folders and files

Working with folders and files, you can check their information, change their names and edit their metadata.
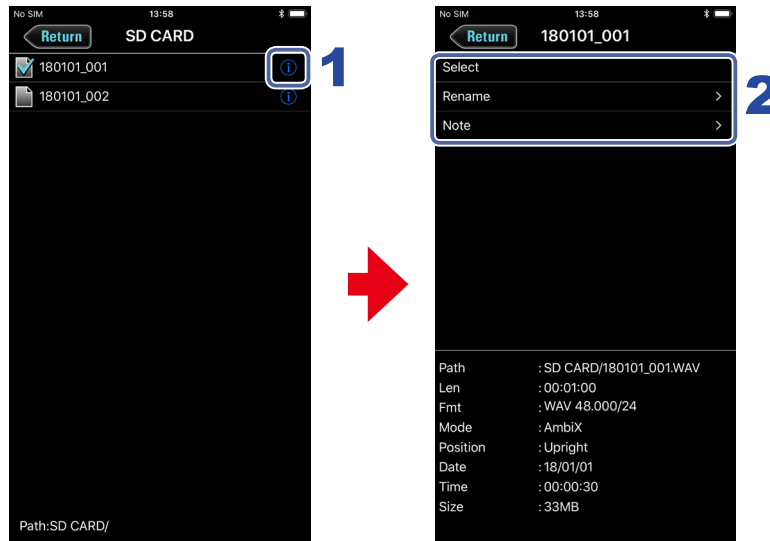
1. **To work with a folder/file, tap the ⓘ to the right of its name.**

This opens the options screen where you can check the following information.

| Selected item	Data item name	Description
SD card	Free	Open space
	Size	Size of card
	Remain	Remaining recordable time
Folder	Path	Folder path
	Date	Date created
	Time	Time created
File	Path	File path
	Len	Length of time
	Fmt	Recording format
	Mode	Recording mode
	Position	Mic position
	Date	Date created
	Time	Time created
	Size	Size of file

2. **Tap an item to change its setting or work with it.**

Folder/file options

Setting	Description
Select	Use this procedure to select the folder that contains the file to be played back or the folder to use for recording files and return to the Home Screen. When an SD card or folder is selected, the first file inside it will be selected.
Rename	Change the folder/file name (→).
Note	Check and edit the file note.

Inputting characters

Character input screens appear for inputting the names of files and folders, as well as notes, for example.

Numbers of characters ——
Input characters/ maximum number of characters

Text input box ——

2

1
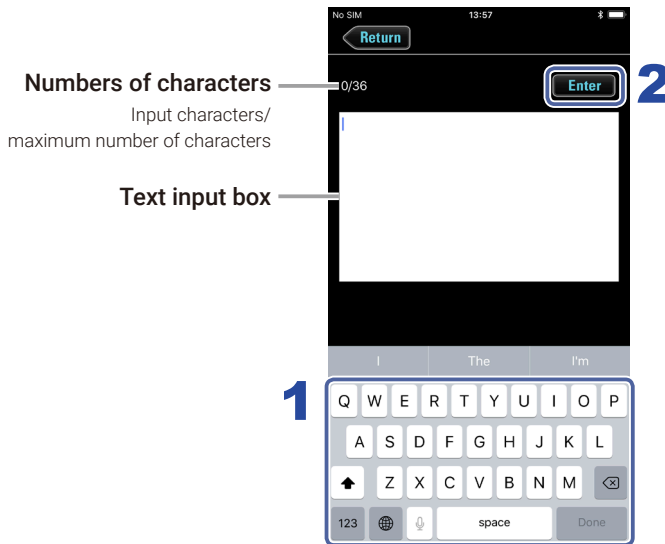
1. Input characters using the keyboard.

The input characters appear in the text box.

> **NOTE**
>
> · The following characters can be input.
>
> (space) ! # $ % & ' ( ) + , - 0 1 2 3 4 5 6 7 8 9 ; = @ A B C D E F G H I J K L M N O P Q R S T U V W X Y Z [ ] ^ _ ` a b c d e f g h i j k l m n o p q r s t u v w x y z { } ~
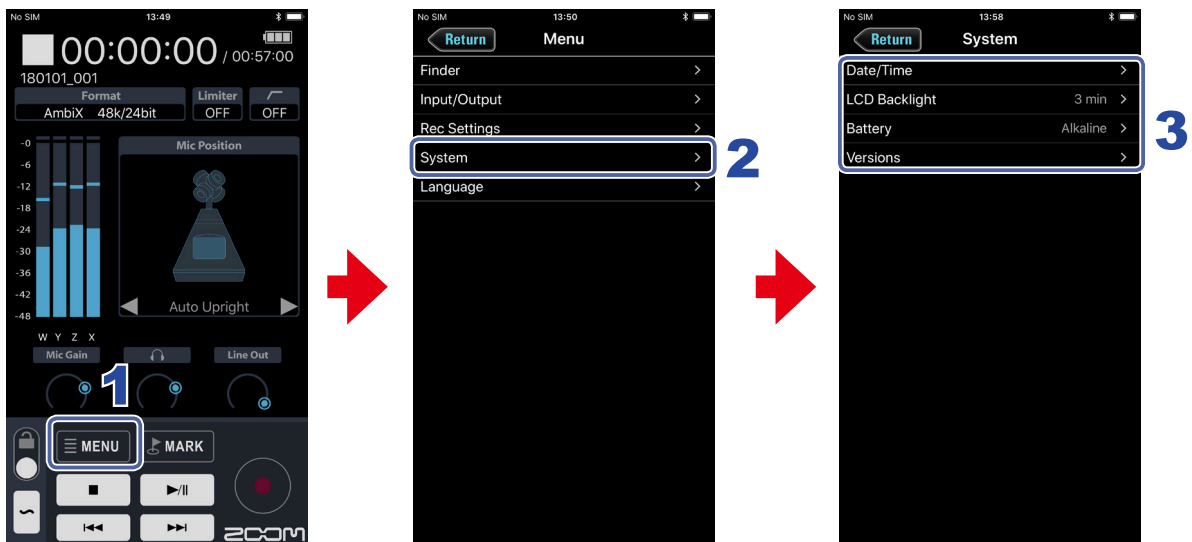>
> Except when inputting a "Note", you cannot put an @ mark or a space at the beginning.

2. When done inputting, tap **Enter**.

Confirm the input characters.

Tap **Return** to cancel the input.

Changing System settings

1. **Tap `≡ MENU` on the Home Screen.**

2. **Tap "System" on the Menu Screen.**

3. **Tap a setting and then change it.**

   System

Setting	Description
Date/Time	This sets the date/time and date display format.
LCD Backlight	Set the time until the display backlight turns off.
Battery	Select the type of batteries used in the **H3-VR**.
Versions	You can check the **H3-VR** and H3 Control versions.

Setting the language

This sets the language shown on the **H3-VR** and the H3 Control app.
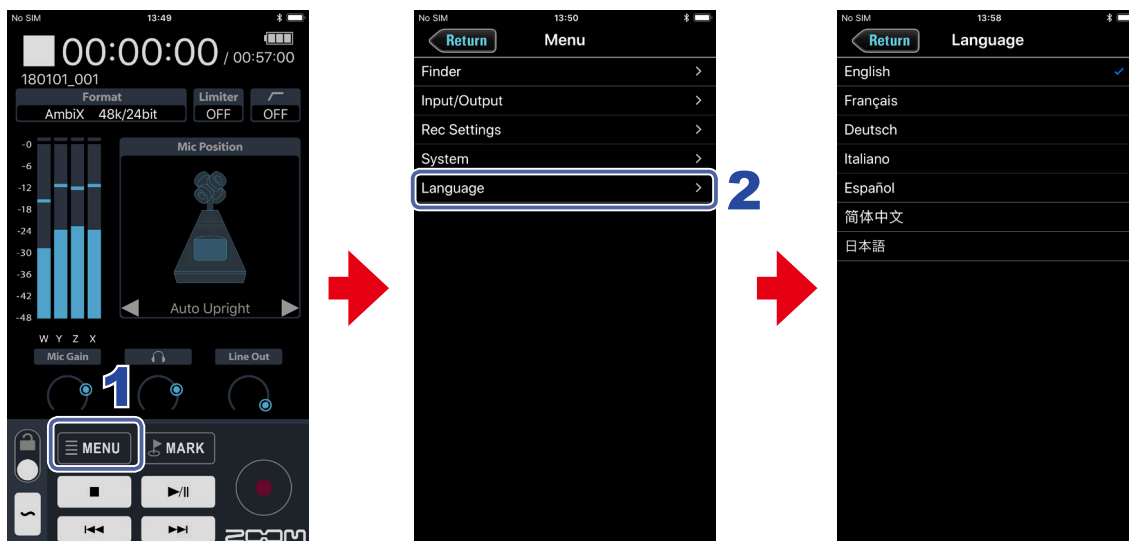
1. Tap [≡ MENU] on the Home Screen.

2. Tap "Language" on the Menu Screen, and then change the setting.