



Handy Recorder

Version 4.0

for iOS/iPadOS

Handy Recorder **PRO**

Version 1.0

for iOS/iPadOS

Operation Manual



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Proper display is not possible on grayscale devices.

Handy Recorder overview

Handy Recorder is a high-performance PCM/AAC recording app that runs on iOS/iPadOS. This app enables high-quality stereo recording when used with a ZOOM iQ Series stereo mic (hereafter, “iQ series mic”) designed for iOS/iPadOS devices. Moreover, in addition to playing, editing and sharing recorded files, this app can also be used to add reverb and other effects, as well as to start and stop recording automatically in response to the levels of input audio.

Handy Recorder PRO, which is a paid upgrade, adds support for the Files app and standard iOS/iPadOS sharing functions, and increases convenience when working with other apps, various cloud services and computers. The PRO version also has the unique new MOVIE function that allows audio tracks to be extracted from videos on the iOS/iPadOS device. Then, EQ, reverb and other effects can be added to the audio before merging it with the original video.

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Installing Handy Recorder

1. Open the App Store on the iOS/iPad OS device and search for “Handy Recorder”.
2. Tap “GET” on the Handy Recorder screen.

This will install Handy Recorder on the device.

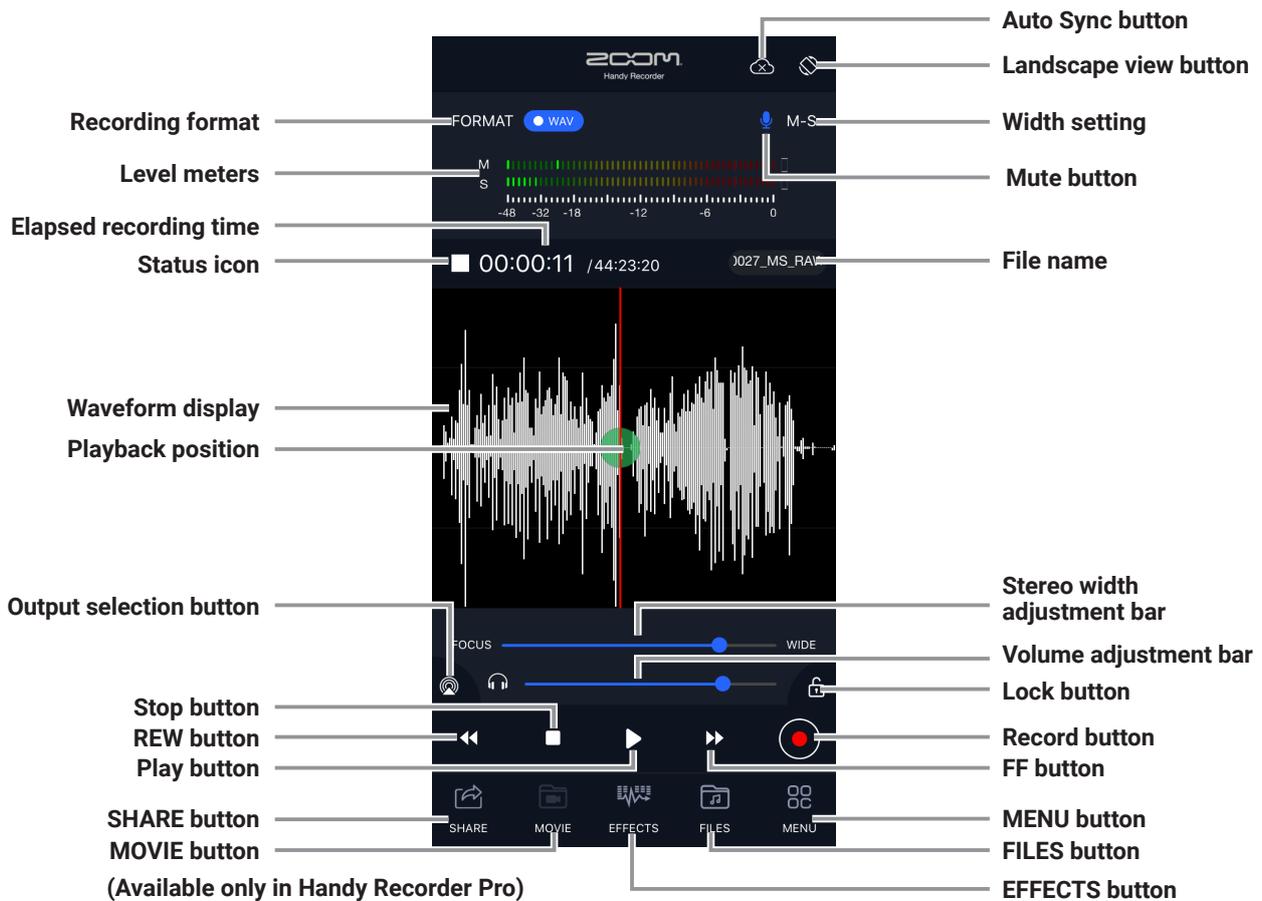


Main Screen

When Handy Recorder launches, the Main Screen appears as shown below.

Portrait view

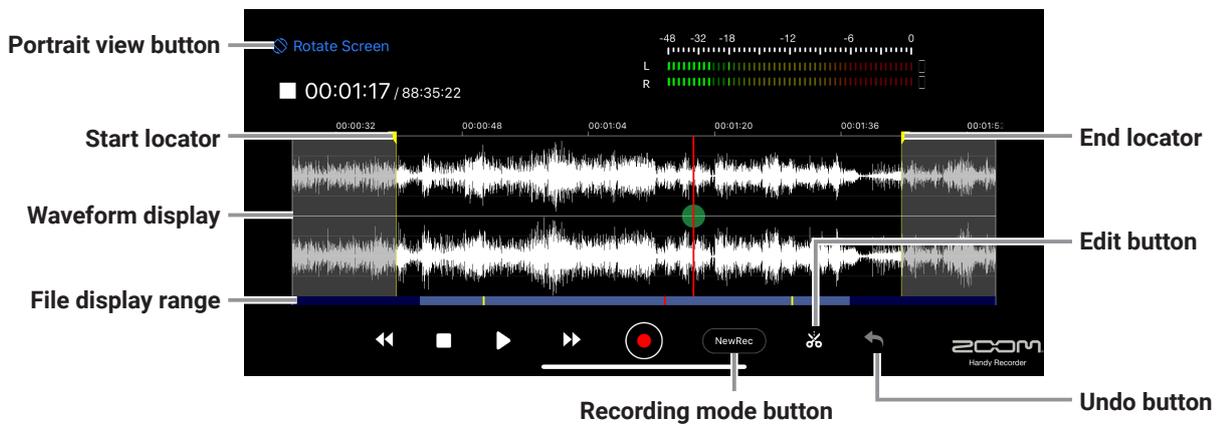
In portrait view, all files can be played repeatedly. Repeat playback between two points is also possible in portrait view by setting the locators in landscape view.



Landscape view button	This switches the screen to landscape view.
Mute button	Tap this to mute the input.
Width setting	90°, 120°, M-S or XY will be shown depending on the state of the iQ series mic. MONO will be shown if an iQ Series mic is not connected.
Output selection button	The playback device can be selected. The playback sound can also be checked on a Bluetooth device.
Stereo width adjustment bar	Use this to set the stereo width of M-S recording files.
Volume adjustment bar	The volume output from iQ Series mics can be adjusted. This is only enabled when an iQ Series mic is connected.
Lock button	When locked, the operation of all other buttons is disabled.

Landscape view

In landscape view, additional settings can be made for recording and playback. Repeat playback of an interval between two points is possible by setting the locators.



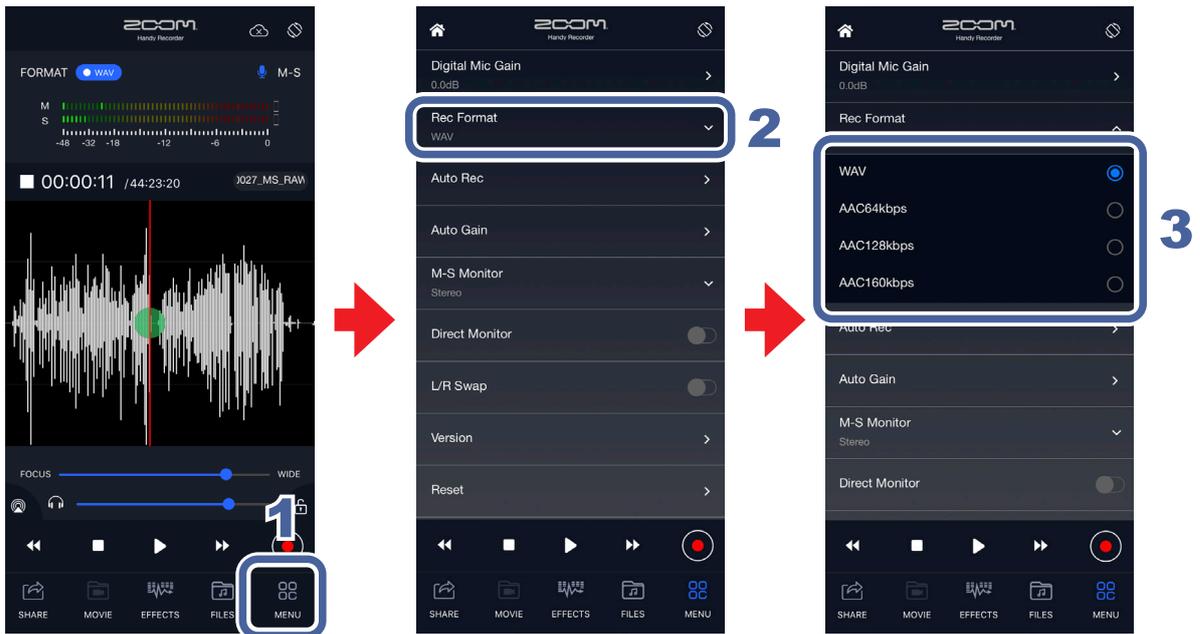
Portrait view button	This switches the screen to portrait view.
Waveform display	Pinch the waveform in and out to zoom out and in.
Start locator	Drag this to set the starting point of the repeat playback interval. This is also reflected in portrait view.
End locator	Drag this to set the ending point of the repeat playback interval. This is also reflected in portrait view.
File display range	Light blue indicates the range shown currently. Dark blue indicates parts that are not shown. The red line is the current playback position. The yellow lines are the start and end points of the selected interval.
Undo button	Use this to undo additional recording.
Edit button	Use this to divide or trim the file at the interval start/end points.
Recording mode button	Use this to switch the recording mode.

Recording

Adjusting recording levels

When using an iQ Series mic, use its mic gain control to adjust the recording level. When using the built-in mic of an iOS/iPadOS device, use Digital Mic Gain to adjust it. (→ [P27](#))

Selecting the recording format



1. Tap .
2. Tap “Rec Format”.
3. Select the recording format.

This is set to “WAV” by default.

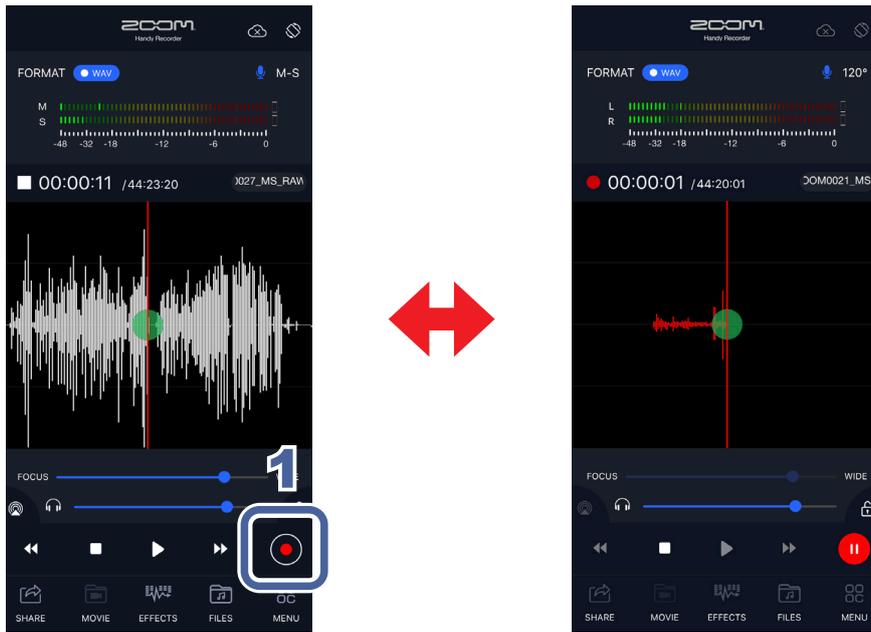
The options are WAV, AAC64kbps, AAC128kbps and AAC160kbps.

WAV format	This is better for recording when audio quality is important.
AAC formats	These provide lower audio quality, but have smaller file sizes and conserve space on the iOS/iPadOS device.

NOTE

- When using WAV format, if the file size exceeds 2 GB during recording, a new file will be created automatically. Recording will continue in the new file. No gaps will occur in the recording between files.
- When using AAC format, if the file size exceeds 400 MB during recording, a new file will be created automatically in the same manner.
- The audio sampling frequency is 48 kHz.

Recording



1. Tap .

This starts recording.

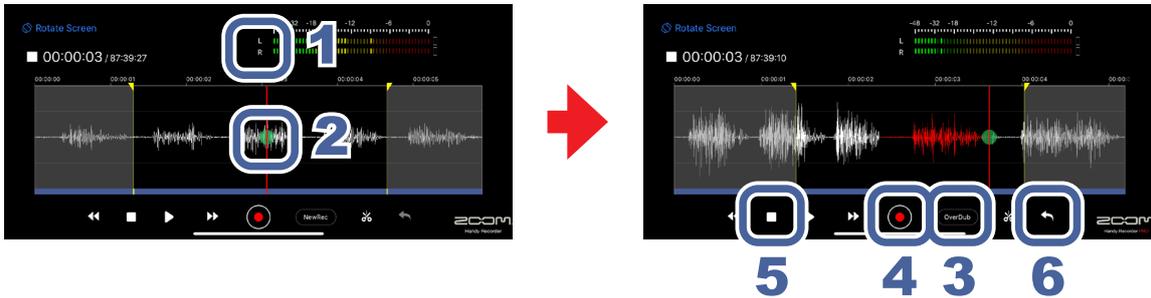
Operations during recording

Pause/resume	Tap  .
Stop playback	Tap  .

Recording additional audio

Available only in landscape view

Additional recording can be added in an already recorded file. Parts can also be re-recorded, overdubbed and inserted.



1. Check the recording format.

Confirm that LR appears next to the indicators at the top right of the screen for stereo recording. Confirm that MS appears next to the indicators at the top right of the screen for mid-side recording. (→ [P15](#))

NOTE

- Do not add mid-side recording to a standard stereo recording file or add standard stereo recording to a mid-side recording file.
- Mid-side and stereo recording cannot be added to a mono recording file nor can mono recording be added to a stereo or mid-side recording file.

2. Slide to set the starting point for the additional recording.

3. Tap "NewRec" and set the recording mode to "OverDub", "Overwrite" or "Insert".

OverDub	This combines (overdubs) the new recording with the original recording.
Overwrite	This replaces (overwrites) the original recording with the new recording.
Insert	This inserts the new recording in the original recording.

NOTE

When the recording mode is set to "NewRec", a new file will be recorded.

4. Tap .

This starts additional recording.

5. Tap .

This ends additional recording. The waveform is shown in red for the new recording interval.

6. To undo the additional recording, tap .

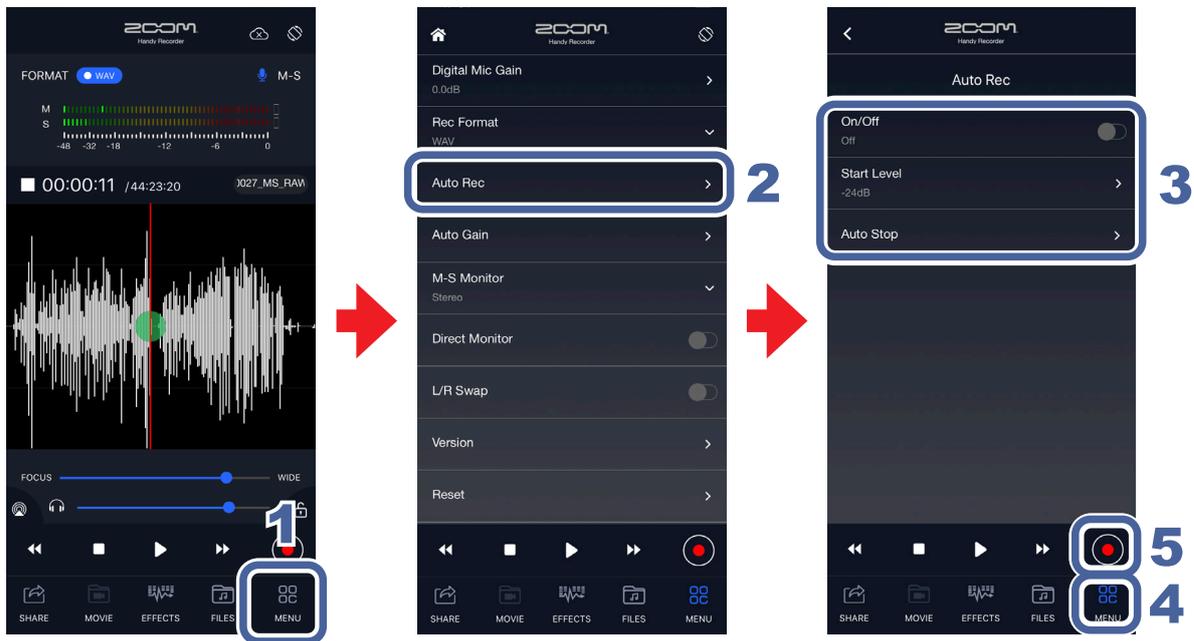
This restores the state before the new recording was added.

NOTE

- If additional recording has been conducted multiple times, only the most recent one can be undone.
- Additional recording cannot be undone after it has been saved. Doing any of the following will save the additional recording: dividing, trimming or sharing the file, saving the file after applying effects, creating a new recording file, selecting a different file, or quitting Handy Recorder.
- Before using "Overwrite", the interval can be set for the additional recording. To set the interval, slide the start locator to the start point and the end locator to the end point. Additional recording will stop automatically when the end point of the selected interval is reached.
- The file with the additional recording will be saved with the same format as the original file.

Using the automatic recording function

Use the Auto Rec settings to set automatic recording starting and stopping.



1. Tap .

2. Tap "Auto Rec".

On/Off, Start Level and Auto Stop settings can be made for automatic recording.

3. Tap "On/Off", "Start Level" or "Auto Stop".

See P12–P14 for how to make these settings.

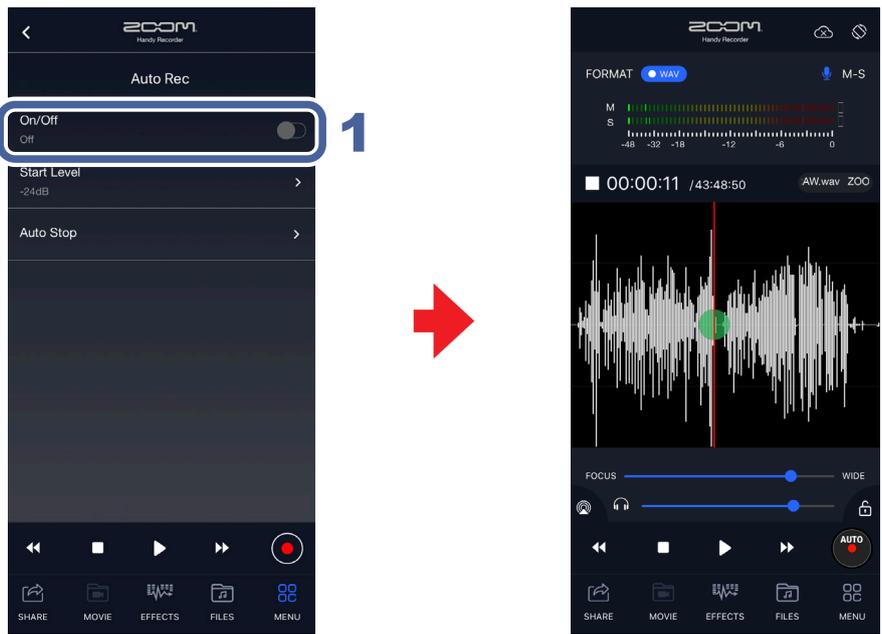
4. Tap .

This reopens the Main Screen.

5. Tap .

Recording will start automatically when the input level reaches or exceeds the set Start Level.

Setting Auto Rec to On/Off

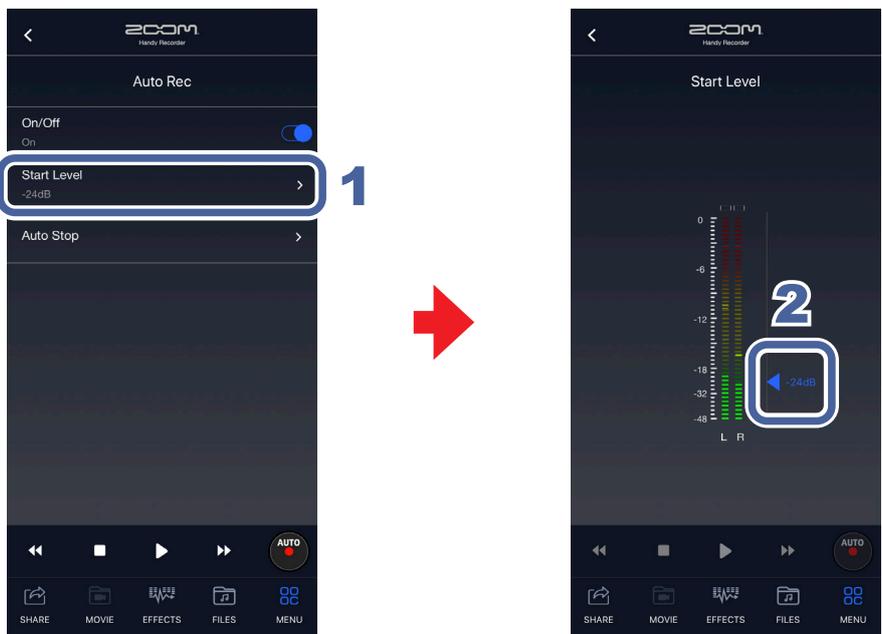


1. Tap on the Auto Rec Screen.

Setting the switch to  enables the function. When enabled, "AUTO" appears on the record button.

Setting the Start Level

This sets the level when automatic recording starts.



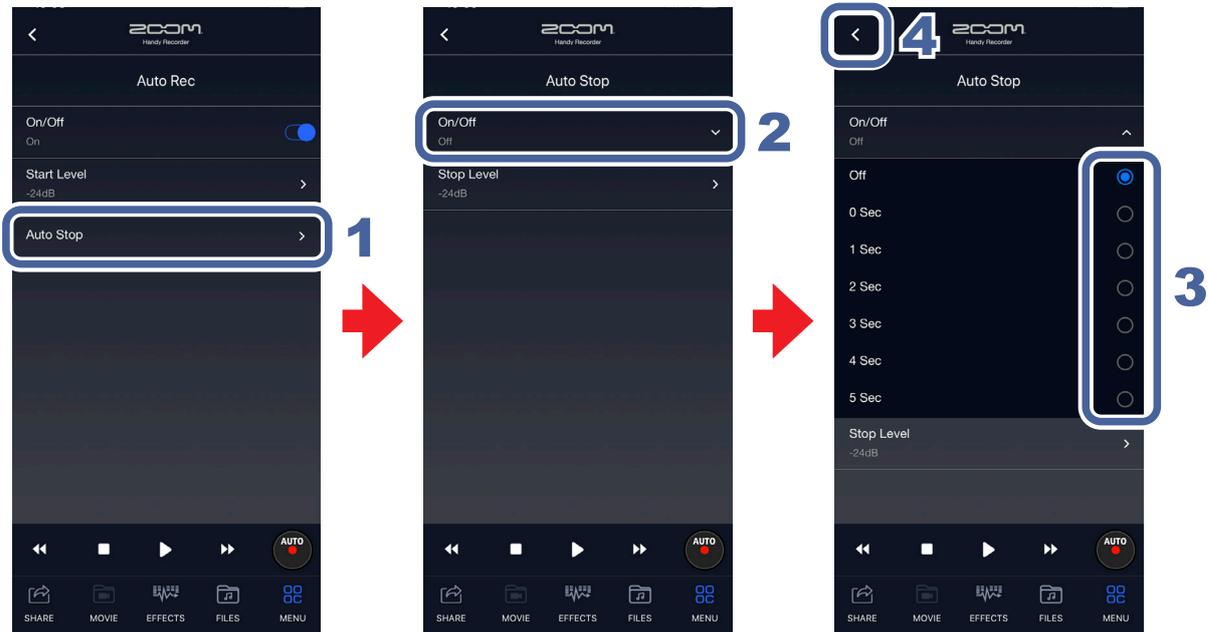
1. Tap "Start Level" on the Auto Rec Screen.

2. Slide to set the start level for automatic recording.

The level can be set between -48 dB and 0 dB. The default setting is -24 dB.

Setting Auto Stop to On/Off

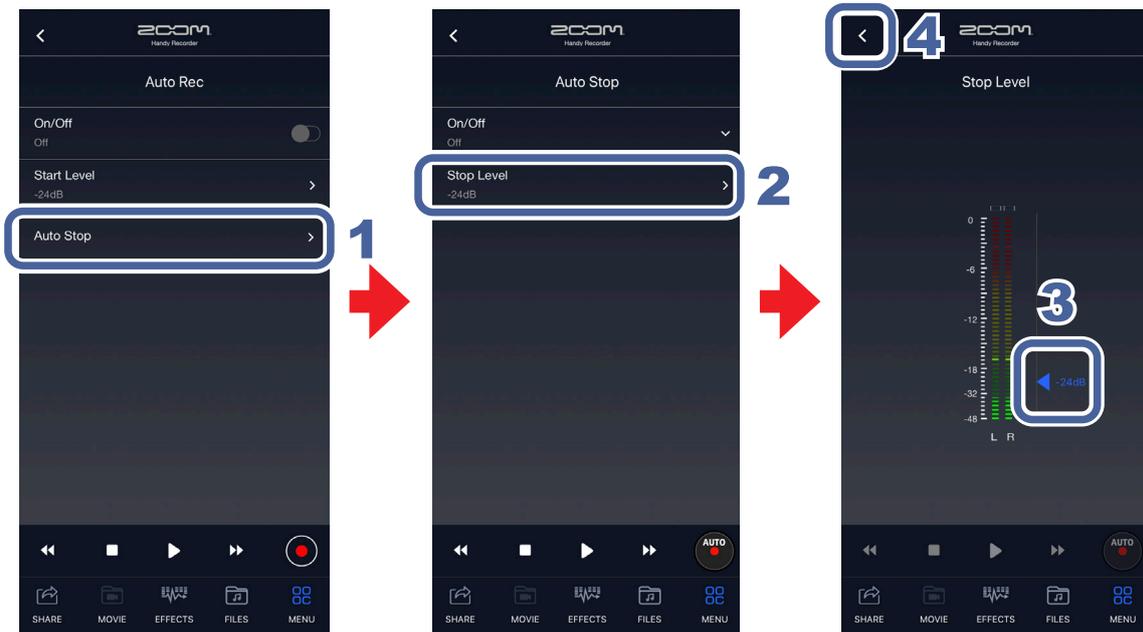
This sets the number of seconds until recording stops automatically after the input becomes lower than the set Stop Level.



1. Tap "Auto Stop" on the Auto Rec screen.
2. Tap "On/Off".
3. Tap the number of seconds until automatic recording stops to select it.
4. Tap . The Auto Stop Screen will reopen.

Setting the Stop Level

This sets the level when automatic recording stops.



1. Tap "Auto Stop" on the Auto Rec screen.
2. Tap "Stop Level".
3. Slide  to set the stop level for automatic recording.
The level can be set between -48 dB and 0 dB. The default setting is -24 dB.
4. Tap .
The Auto Stop Screen will reopen.

Using mid-side recording

Available only when using an iQ Series mid-side mic

When using an iQ Series mid-side mic, the mid and side mic signals are recorded as is. "MS-RAW" is added to the names of mid-side recording files, and their stereo widths can be adjusted freely during playback.

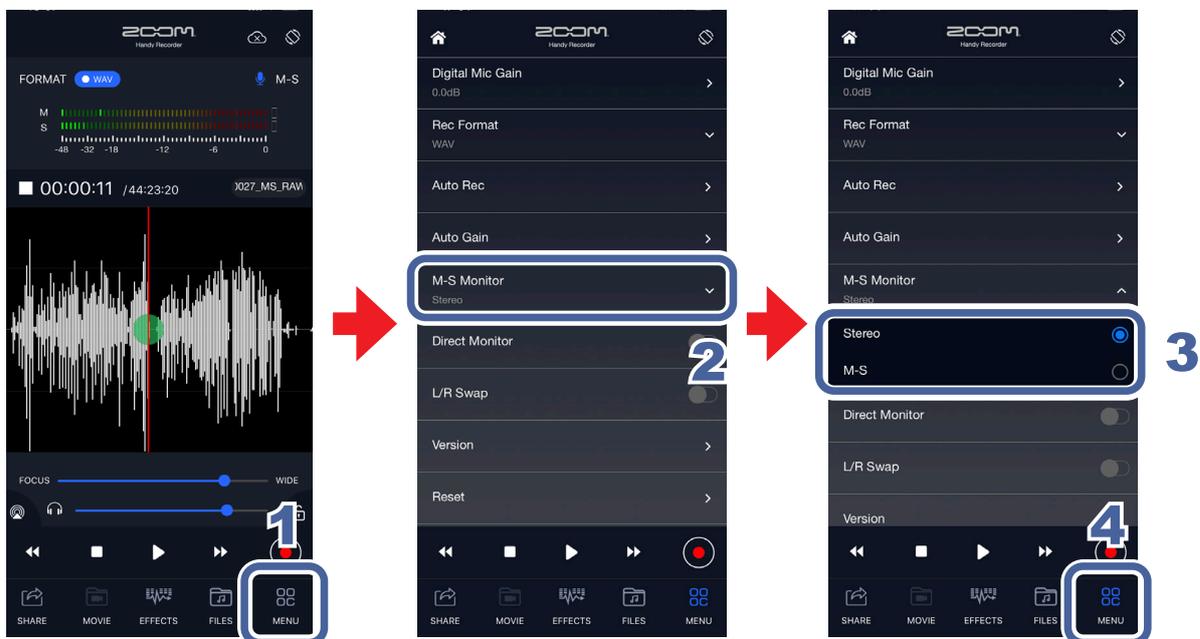
To use mid-side recording, connect an iQ Series mid-side mic, and set its stereo width switch to "M-S".

NOTE

The stereo width adjustment bar can be used when playing a mid-side recording file. Slide the bar to set the stereo width.

Setting mid-side monitoring

This sets the type of monitoring to use when mid-side recording.



1. Tap .
2. Tap "M-S Monitor".
3. Tap "Stereo" or "M-S".

When set to "M-S", the mid mic input can be monitored through the left channel and the side mic input through the right channel.

4. Tap .
- This reopens the Main Screen.

NOTE

When direct monitoring is on, the M-S Monitor setting will have no effect on the sound monitored from the iQ Series mic. Monitoring will be as though set to "M-S".

Playing recordings

Recorded files can be played back.

Selecting files and playing them

Files can be selected and played when using portrait view.



1. Tap   on the Main Screen to show the file you want to play.
2. Tap .
This starts playback.

Operations during playback

Pause/resume	Tap 
Stop playback	Tap 

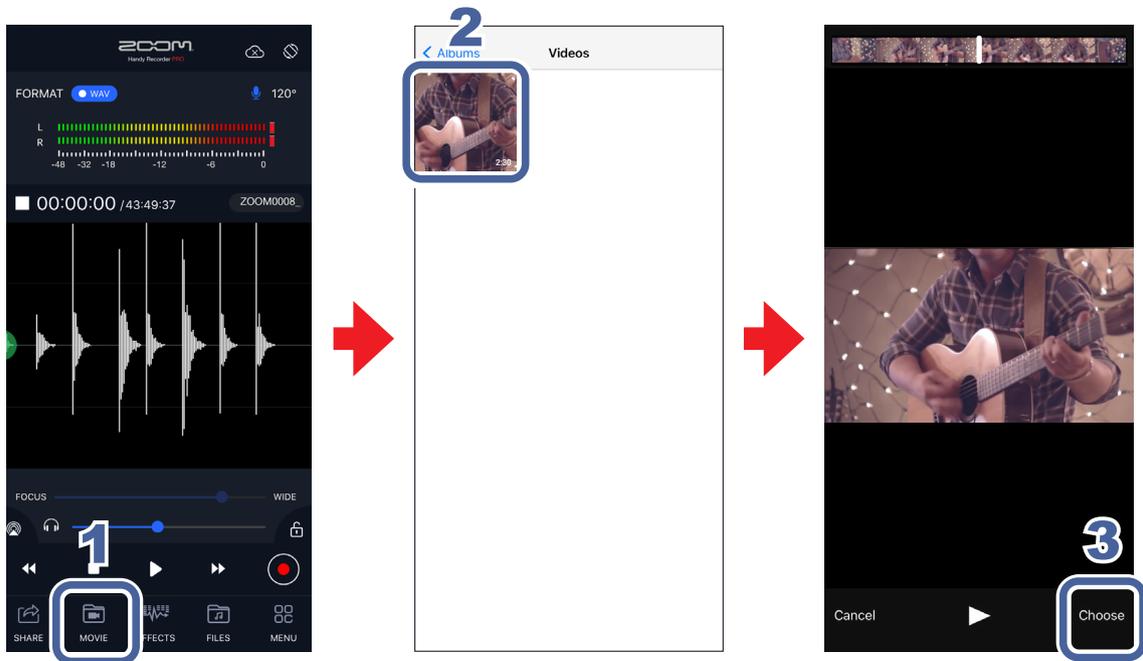
NOTE

- Landscape view can be enabled during file playback.
- In landscape view, the playback interval can also be set.
- Files cannot be selected while using landscape view.
- Files can also be selected and played on the FILES screen.

Extracting audio from videos

Available only in Handy Recorder Pro

Using Handy Recorder PRO, audio can be extracted from a video stored in the Photo app on the iOS/iPadOS device. Effects can then be applied to the extracted audio file, and then that file can replace the original audio in the video.



- 1. Tap .**
This opens a list of videos in the Photo app.
- 2. Select a video.**
- 3. On the preview screen, tap “Choose”.**
A file will be extracted and named “ZOOM_Videonnnn.m4a”.
The “nnnn” is a number assigned in order starting with 0001.
- 4. Apply effects (→ [P18](#)).**
- 5. Merge the file with the video (→ [P24](#)).**

Applying effects

Effects can be applied to recorded and extracted files.



1. Tap .
2. Tap "EQ", "Reverb" or "Mastering".
3. Set the effect.
For the details and settings of each effect, see [P20](#).
4. Tap  on the effect settings screen.
5. Tap "Save with Effects/Normalize".

- 6. In the “Save as new file?” message, tap “New”, “Overwrite” or “Cancel” to select how the file is saved.**

New	This preserves the original file and creates a new file with the effects applied. The created file will be saved with the latest number in the file name.
Overwrite	This overwrites the original file with the set effects applied.
Cancel	No file with the set effects will be created.

- 7. To optimize the volume, tap “Normalize” in response to the “Normalize file?” message.**

“Complete!” will appear when optimization completes.

Tap “Cancel” to save the file without optimization.

- 8. Tap  EFFECTS.**

This reopens the Main Screen.

NOTE

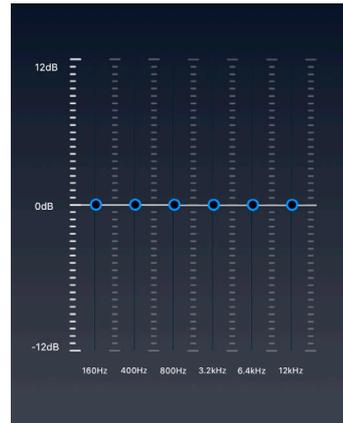
- Do not turn the iOS/iPadOS device off or quit Handy Recorder while it is saving a file. Doing so could damage the data.
- The sound of the effects can be heard when playing a file after effects have been applied to it.
- The set effects are applied to the sound of playback. They are not applied to input sounds.

Setting effects

■ EQ (augment/enhance audio quality)

Slide  on the faders for the 160 Hz, 400 Hz, 800 Hz, 3.2 kHz, 6.4 kHz and 12 kHz frequency bands to adjust the audio quality.

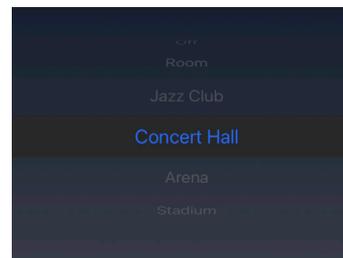
Tap "Reset EQ" to flatten the equalization.



■ Reverb (add reverberations to sound)

This is off by default.

Select "Room", "Jazz Club", "Concert Hall", "Arena" or "Stadium".

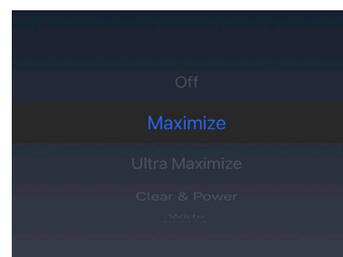


Off	Off
Room	Simulates the reverberations of a room
Jazz Club	Simulates the reverberations of a jazz club
Concert Hall	Simulates the reverberations of a concert hall
Arena	Simulates the reverberations of an arena
Stadium	Simulates the reverberations of a domed stadium

■ Mastering (add impact to sound)

This is off by default.

Select "Maximize", "Ultra Maximize", "Clear & Power", "Wide" or "Mono".



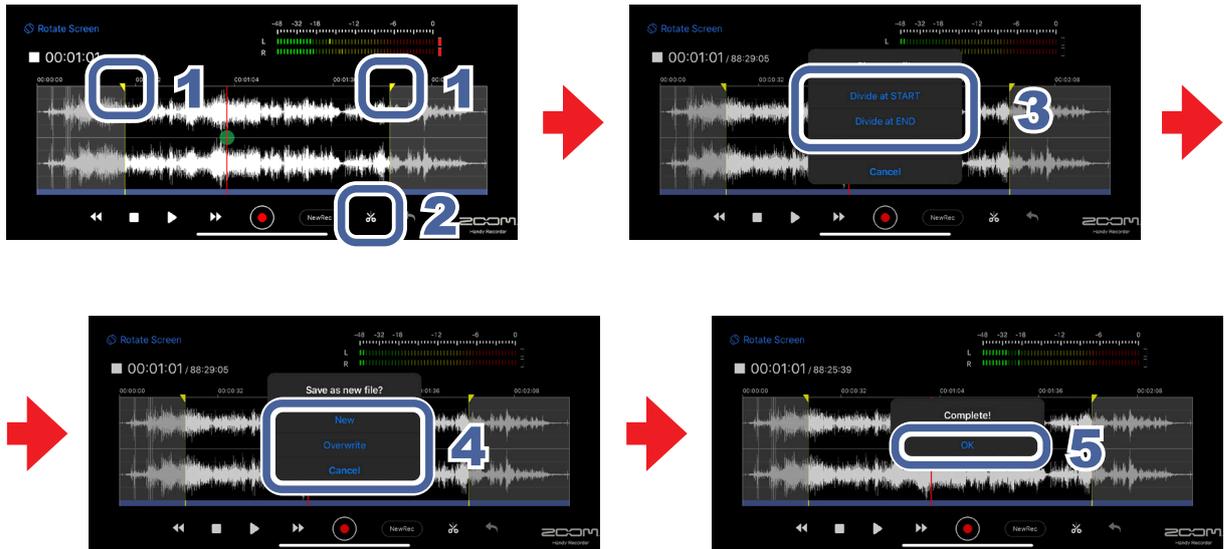
Off	Off
Maximize	Soft compression that evens out the sound level
Ultra Maximize	Strong compression that evens out the sound level
Clear & Power	Compression that emphasizes the midrange
Wide	Emphasizes stereo elements
Mono	Combines sound from the stereo field into the center

Editing files

Recorded files can be divided, trimmed and deleted.

Dividing files Available only in landscape view

A recorded file can be divided into two. This can only be used in landscape view.



1. Slide the start or end locator to the file division point.

NOTE
The file can be played to check the division point.

2. Tap .
"Choose edit." appears.
3. Tap "Divide at START" or "Divide at END".
A "Save as new file?" message appears.
4. Tap "New", "Overwrite" or "Cancel". A "Now Processing" message appears.

When division completes, a "Complete!" message will appear.

New	This creates new divided files, keeping the original file.
Overwrite	This replaces the original file with the divided files.
Cancel	This cancels division.

5. Tap "OK".

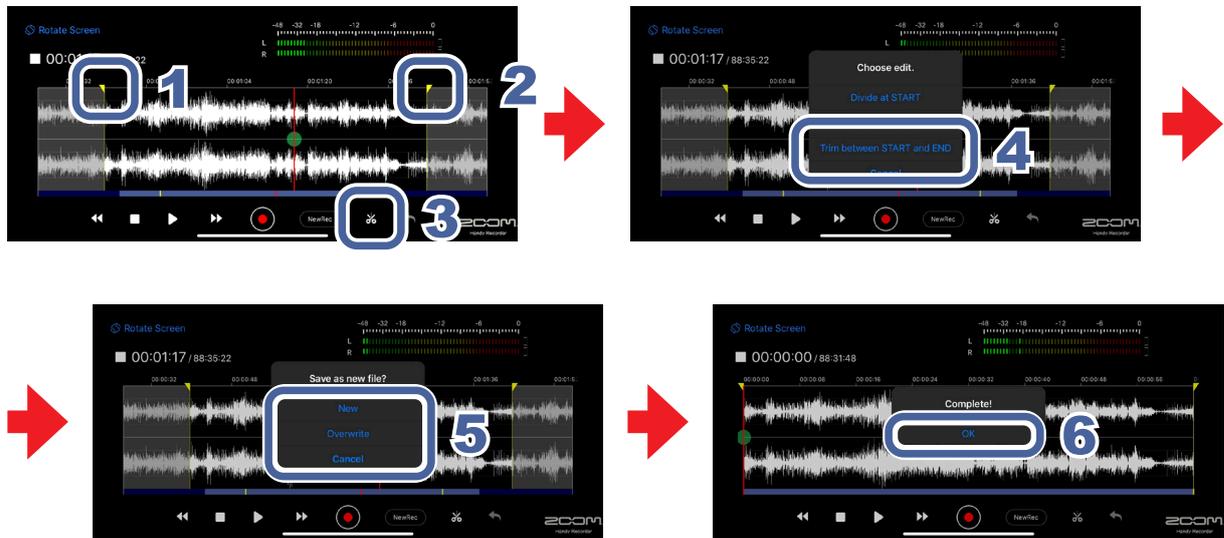
NOTE

- Do not turn the iOS/iPadOS device off or quit Handy Recorder while it is dividing a file. Doing so could damage the data.
- The divided file will be saved as the first part, named after the file before division with A added to the end, and the latter part, named after the file before division with B added to the end.

Trimming the ends of files

Available only in landscape view

The unneeded ends of recorded files can be deleted (trimmed).
This can only be used in landscape view.



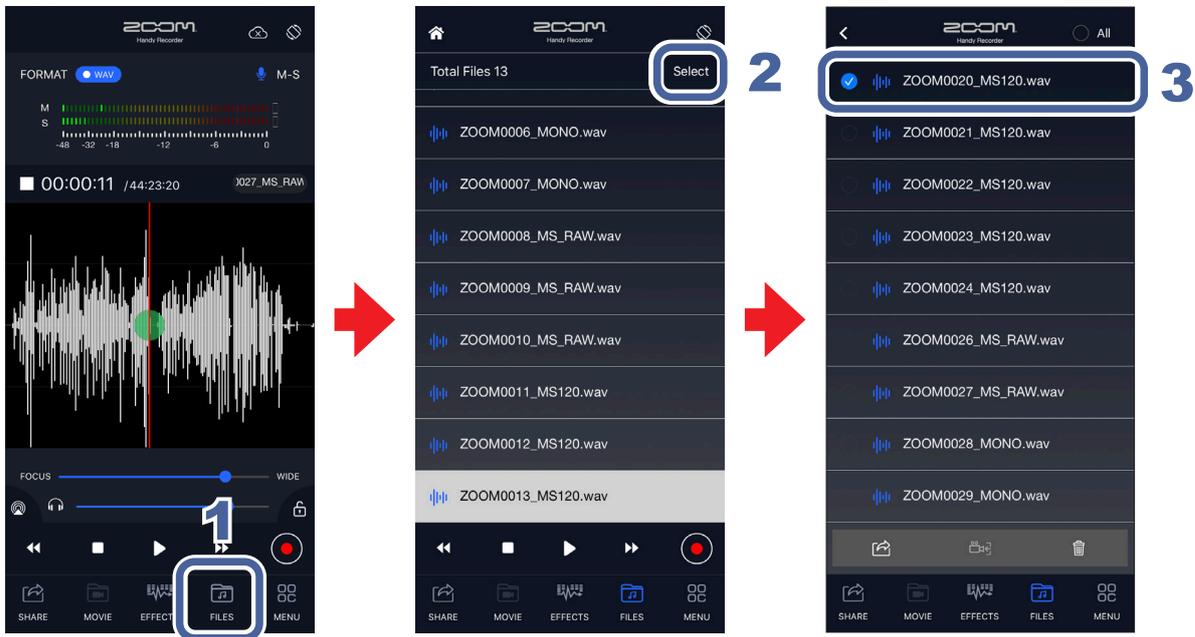
1. Slide the start locator to the start point.
2. Slide the end locator to the end point.
3. Tap  to trim the file to the selected range.
"Choose edit." appears.
4. Tap "Trim between START and END".
A "Save as new file?" message appears.
5. Tap "New", "Overwrite" or "Cancel".
A "Now Processing" message appears.
"Complete!" will appear when for trimming finishes.

New	This creates a new trimmed file, keeping the original file.
Overwrite	This replaces the original file with the trimmed file.
Cancel	This cancels trimming.

6. Tap "OK".

Managing files

Recorded and extracted files can be shared, deleted and merged with videos.



1. Tap .

2. Tap "Select".

This opens a file selection screen.

3. Tap the names of files to select them.

 will appear in front of the names of selected files. Multiple files can be selected. Tap "All" to select all the files.

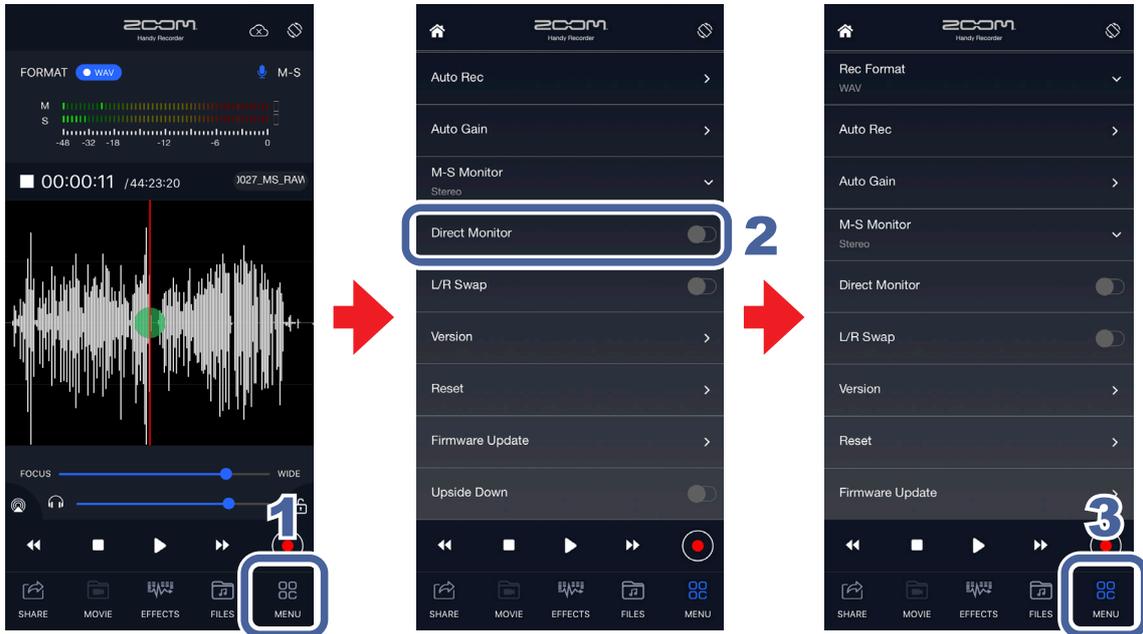
Operations after selection

Share	Tap  . This opens the SHARE screen. (→ P28)
Merge	Tap  . Extracted audio can be merged with the original video. After merging completes, the file will be deleted from Handy Recorder PRO. The merged video will be saved in the HandyRecorder PRO folder in the Photos app.
Delete	Tap  . "Delete file(s)? This will delete the selected file(s). It cannot be undone!" will appear.

Enabling direct monitoring

Available only when using iQ Series mics

The sound directly output from the mic can be monitored without latency.



1. Tap  .
2. Tap  next to “Direct Monitor”.
Setting the switch to  enables the function.
3. Tap  .
This reopens the Main Screen.

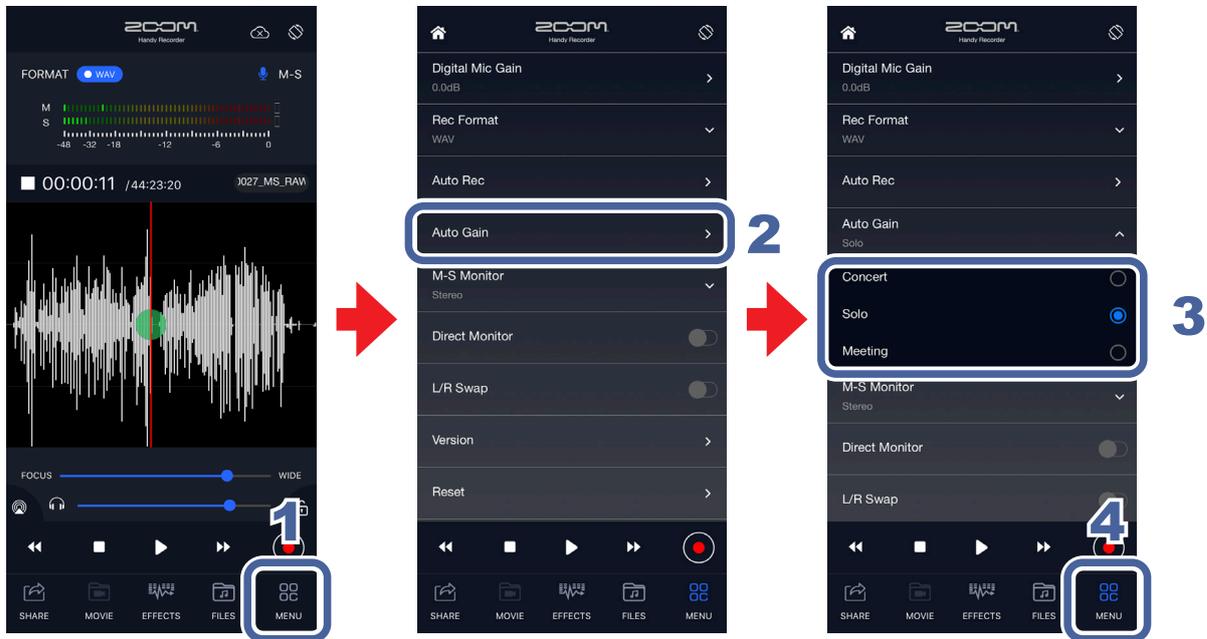
NOTE

- The direct monitoring setting has no effect when using an iQ Series mic with an app other than Handy Recorder.
- When direct monitoring is on, the sound input from the mic can be monitored even during file playback.
- When direct monitoring is on, the Digital Mic Gain setting does not affect the sound monitored from the iQ Series mic. It does affect the sound recorded by Handy Recorder.
- When direct monitoring is on, the M-S Monitor setting will have no effect on the sound monitored from the iQ Series mic. Monitoring will be as though set to “M-S”.

Setting the Auto Gain function

Available only when using an iQ5 mic

When the iQ5 AUTO GAIN/LIMITER switch is set to AUTO GAIN, the optimal setting can be selected according to the situation.



1. Tap .
2. Tap "Auto Gain".
3. Tap "Concert", "Solo" or "Meeting".

The default setting is Solo.

Concert	Use this for band performances, concerts and other loud situations.
Solo	Use this for acoustic guitar and solo performances.
Meeting	Use this for meetings and other quiet recordings.

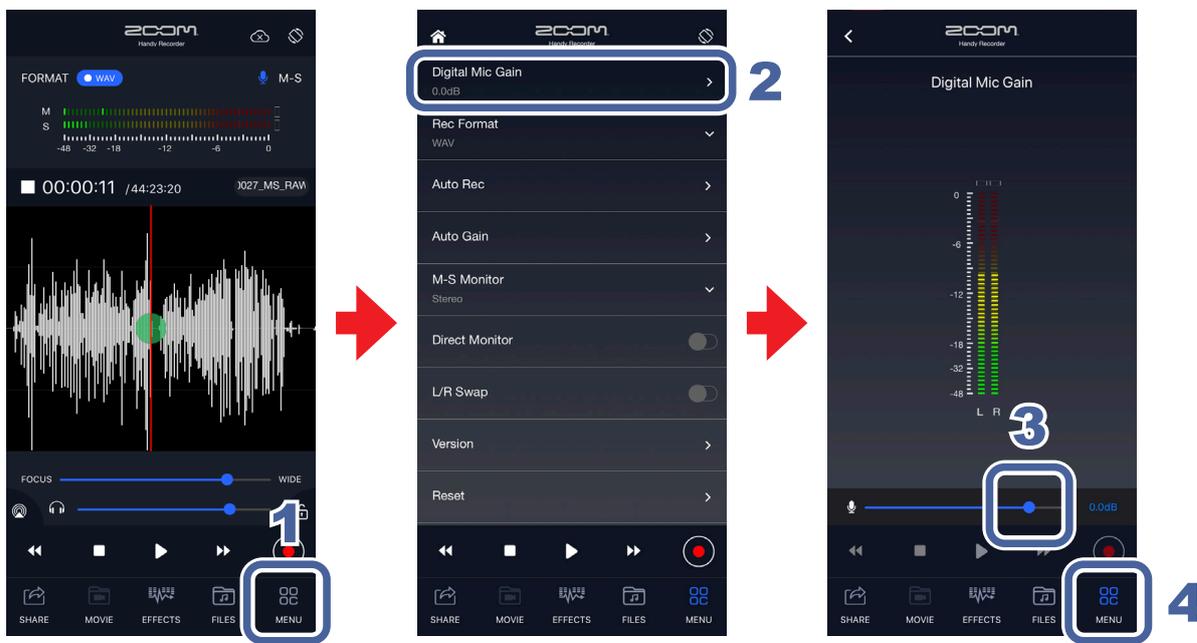
4. Tap .
This reopens the Main Screen.

NOTE

The "Auto Gain" setting selected in Handy Recorder is remembered by the iQ5 itself and will be applied when the iQ5 is used with other applications.

Setting the Digital Mic Gain

Use this to adjust the recording level and record quiet sources at a higher level and loud sources at a lower level.



1. Tap .
2. Tap "Digital Mic Gain".
3. Slide  to adjust the gain (in dB).
4. Tap .

This reopens the Main Screen.

Sharing recorded files

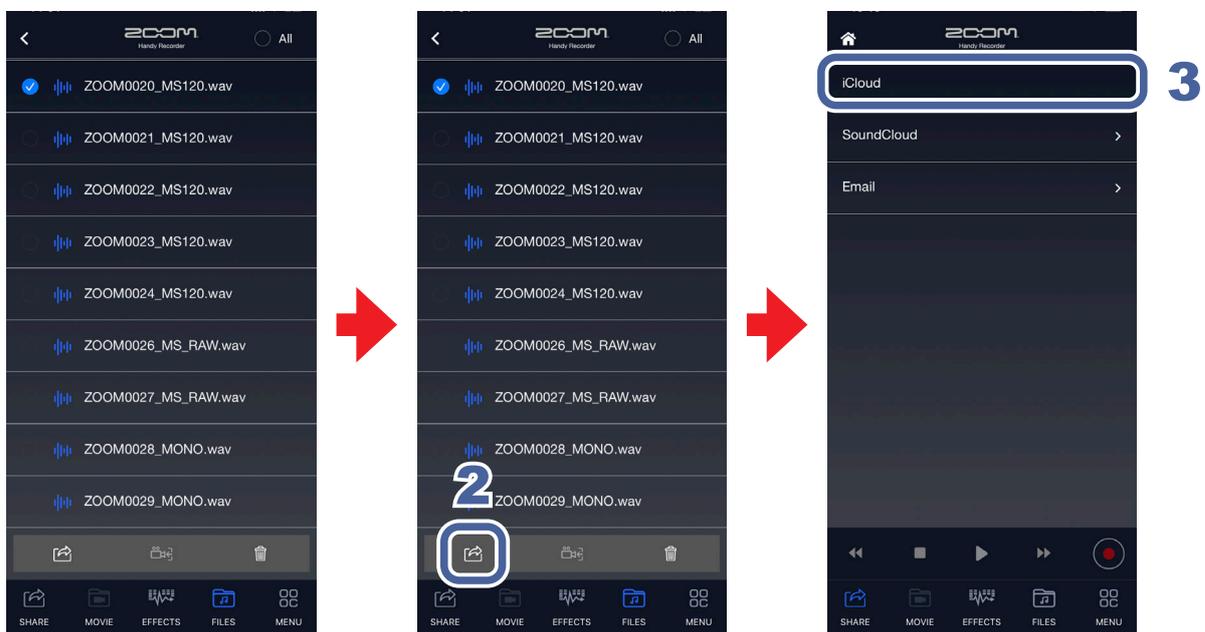
Recorded files can be shared by uploading them to iCloud and SoundCloud or sending them by email.

Using Auto Sync, files can be automatically uploaded to iCloud after recording finishes.

NOTE

Before deleting recorded files from Handy Recorder, confirm that they have completed uploading to iCloud.

Selecting recorded files and uploading them to iCloud



1. Select files on the FILES screen (→ [P24](#)).

2. Tap .

3. On the SHARE screen, tap “iCloud”.

A message will appear, and the recorded file will be uploaded.

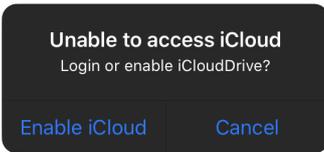
Complete!

Your file is successfully sent to iCloud.

OK

NOTE

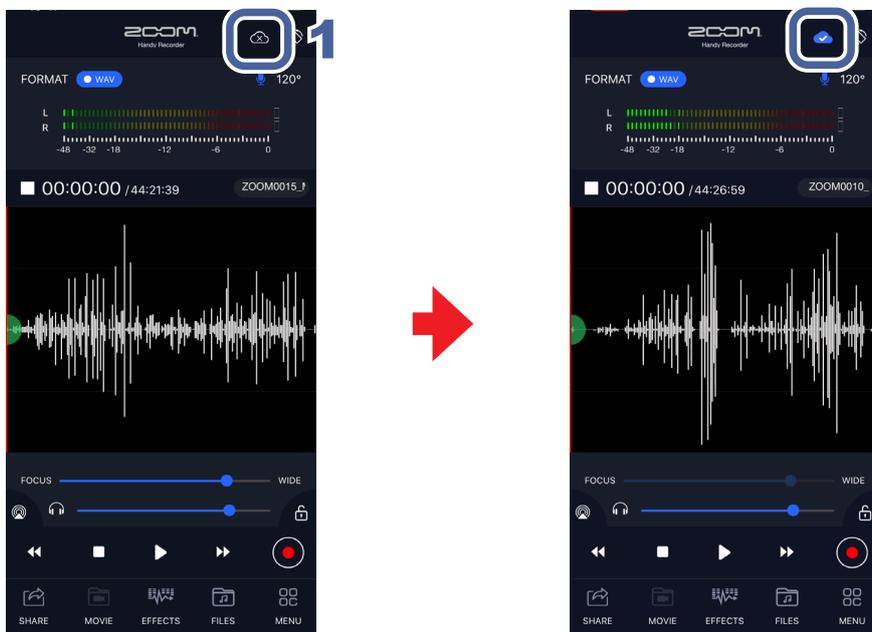
The following message appears if the iCloud Drive is unavailable.



Tap "Enable iCloud", and activate iCloud Drive in the iOS/iPadOS device settings.

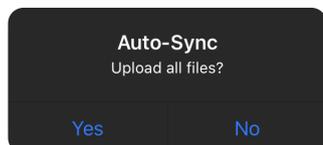
Automatically uploading recorded files to iCloud

When Auto Sync is enabled, files will be uploaded automatically after recording completes.



1. Tap on the Main Screen.

When Auto Sync is enabled, a message will appear.



2. Tap or .

Yes	All recorded files will be uploaded.
No	Newly recorded files will be uploaded.

NOTE

- When “Yes” is tapped, already uploaded files will not be uploaded again. If a file with the same name has different recording content, however, a number will be added to the end of the file name and it will be uploaded.
- If Auto Sync is enabled when cellular data is being used, the following message will appear.

You are on cellular data. Do you wish to proceed to upload files even it may take cellular data use charges?

YES (Continue uploading)

STOP (Avoid cellular data use)

Tapping “Yes” to continue uploading could result in data transmission charges, so choose this option with caution.

- When Auto Sync is enabled, if data transmission switches from Wi-Fi to cellular data, the following message will appear.

WiFi disconnected! Do you want to STOP uploading to avoid cellular data use charges?

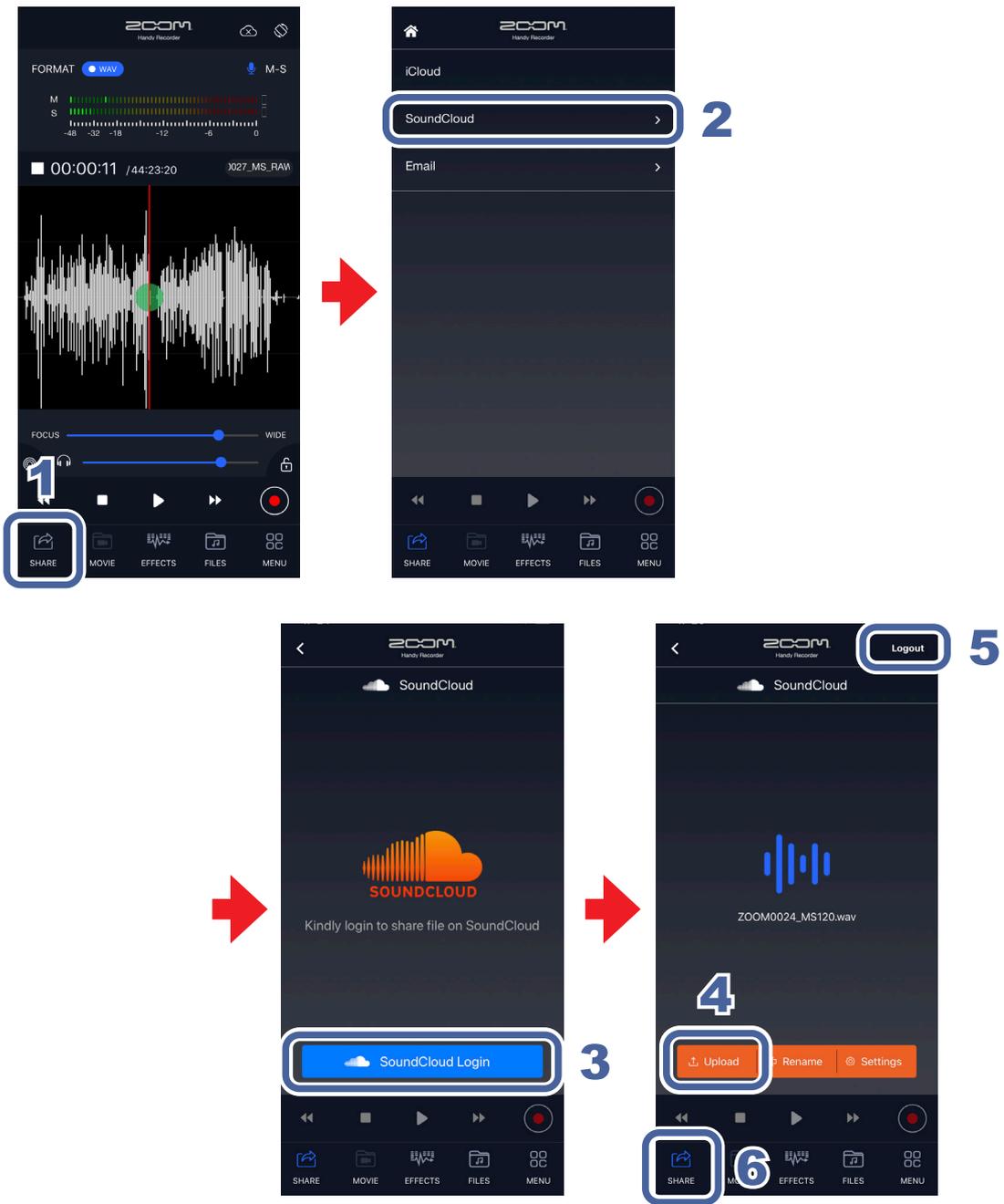
NO (Continue uploading)

STOP (Avoid cellular data use)

Tapping “No” to continue uploading could result in data transmission charges, so choose this option with caution.

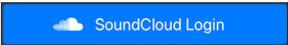
- Messages related to transmission charges will appear in English, Japanese, French, German, Italian or Spanish according to the Language & Region settings on the iOS/iPadOS device.

Uploading files to SoundCloud



1. Tap .

2. Tap "SoundCloud".

3. Tap .

This opens the SoundCloud account input screen.

If you do not already have a SoundCloud account, you can get one on the SoundCloud website.

4. Log in to SoundCloud, and tap  .

“Uploading...” appears.

“Complete!” will appear when uploading finishes.

NOTE

Do not turn the iOS/iPadOS device off or quit Handy Recorder while it is uploading a file. Doing so could damage the data.

5. Tap “Logout”.

6. Tap  .

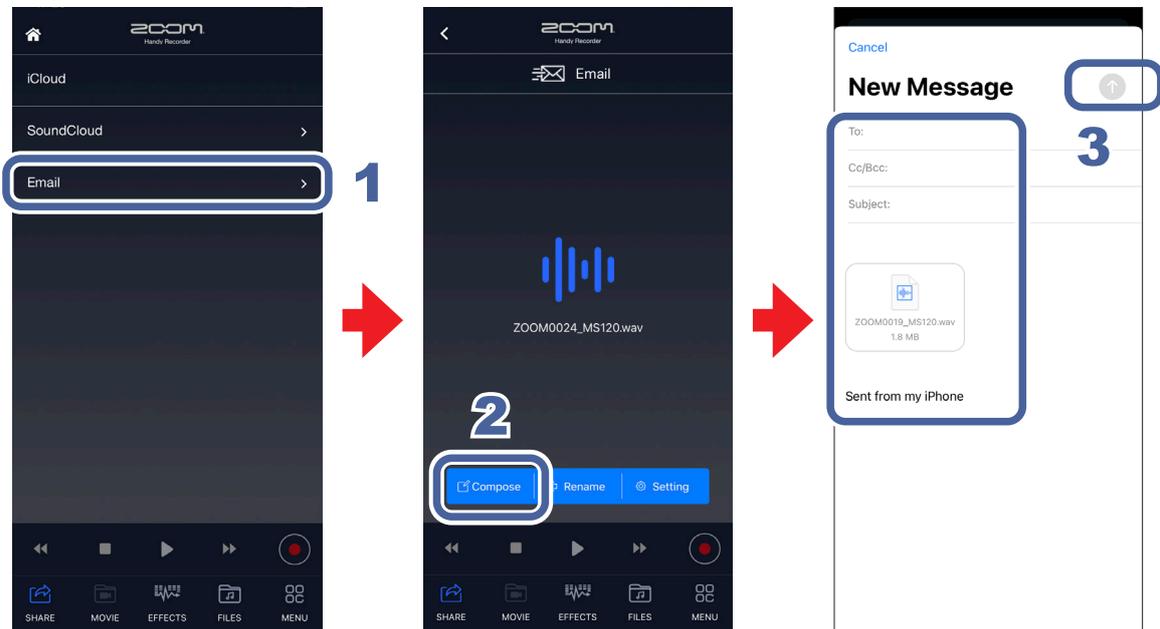
This opens the Main screen.

NOTE

If an interval in the file has been selected, the file will be trimmed to that interval and uploaded.

Attaching files to email and sending them

Recorded files can be attached to email and sent. In Handy Recorder PRO, the iOS/iPadOS sharing functions can be used to share files with Mail and many other apps. (→P36)

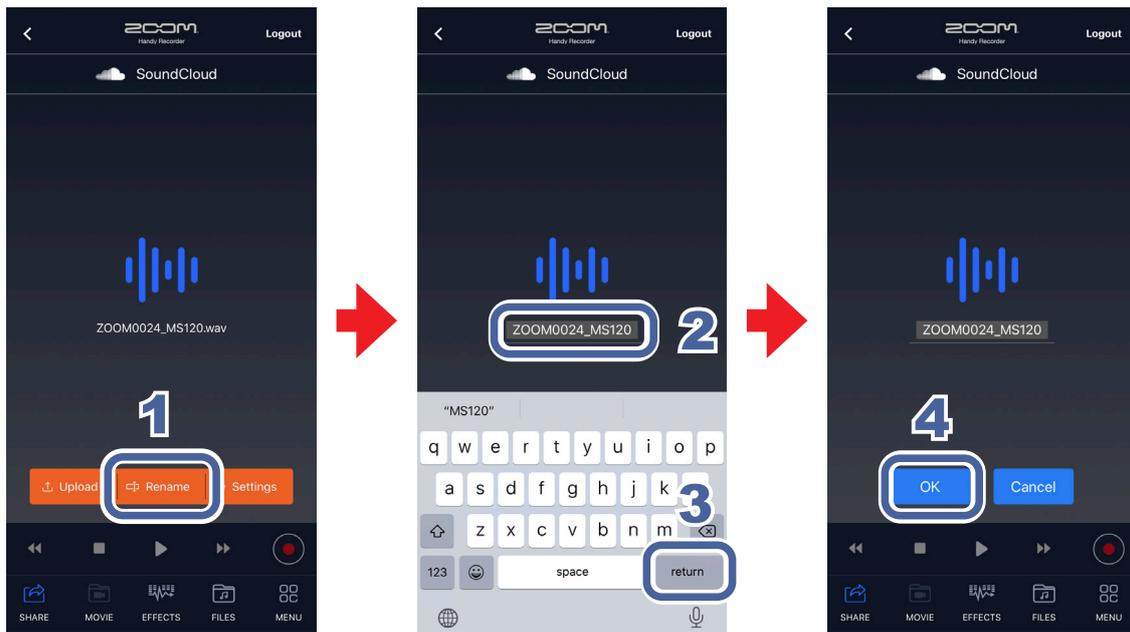


1. On the SHARE screen, tap “Email”.
2. Tap  Compose .
A message will be created, and the recorded file will be attached.
3. Input the To, Subject and body fields and tap the send button.
The message with the recording file attached will be sent.

NOTE

- When selecting a file, if an interval in the file has been selected, the file will be trimmed to that interval and attached to the email.
- If an email account has not been activated, the following message will appear. “No Email Account. Please set up an email account in order to send email.”
- If the maximum email attachment size is exceeded, the following message will appear. “The email could not be sent. The audio file exceeds the email attachment size limitation in Settings.” (→ P35)

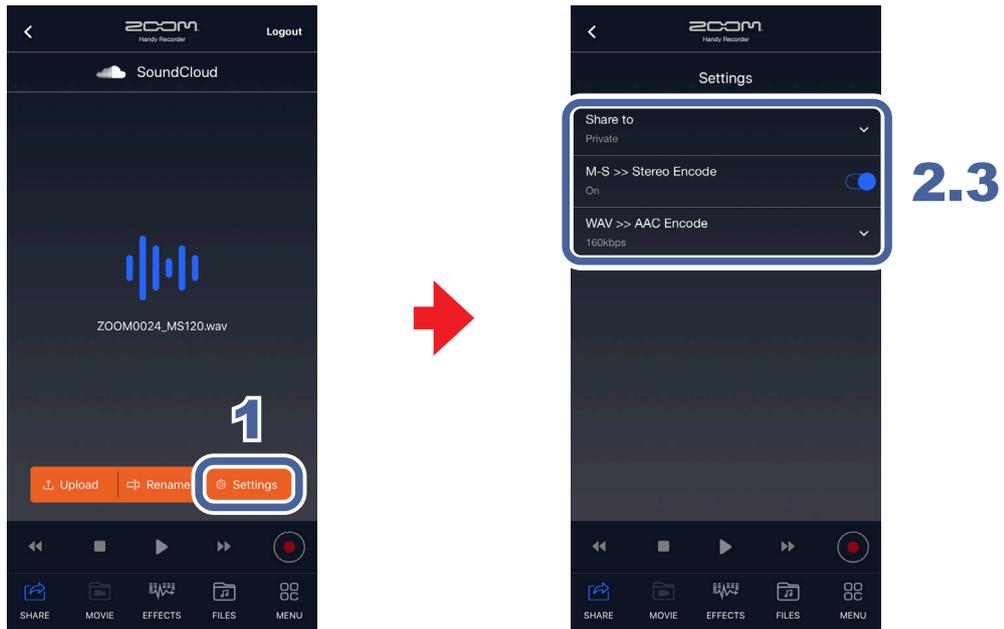
Changing the names of files when sharing



1. Tap **Rename** on the SoundCloud/Email screen.
2. Input the file name.
3. Tap “return”.
4. Tap “OK”.

This changes the file name.

Changing sharing settings



1. Tap **Settings** on the SoundCloud/Email screen.
This opens the Settings Screen.
2. Tap "Share to", "M-S >> Stereo Encode", "WAV >> AAC Encode" or "EMAIL LIMIT".
3. Change the setting.

NOTE

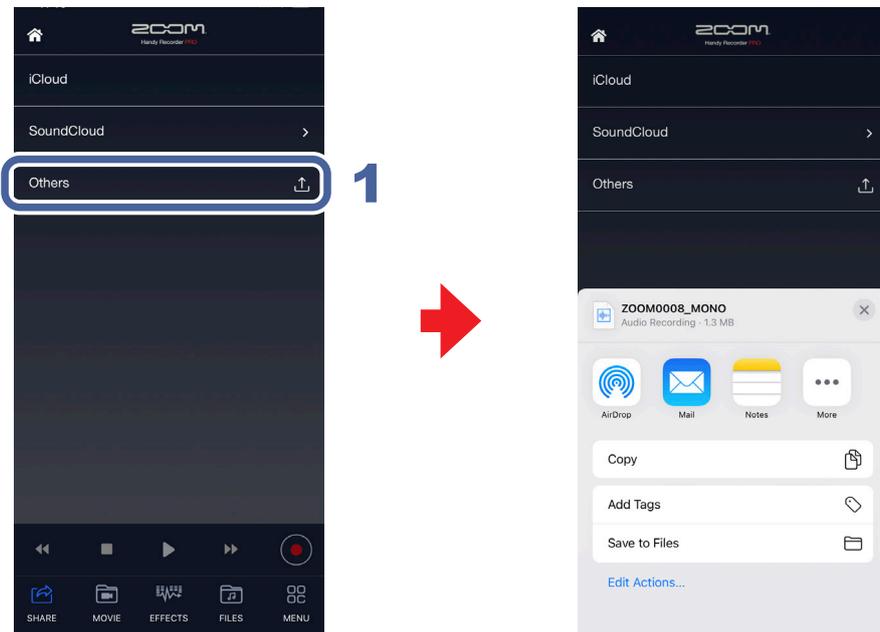
- "Share to" can only be set with SoundCloud.
- "EMAIL LIMIT" can only be set with Email.

Share to	Set the public status of files uploaded to SoundCloud (Private or Public).
M-S >> Stereo Encode	When uploading, set whether or not to encode mid-side recording files as stereo (On or Off). The stereo width adjustment bar setting will be applied when encoding. (→ P5)
WAV >> AAC Encode	When uploading, set whether or not to encode WAV format file recording files as AAC Format (Off, 64 kbps, 128 kbps or 160 kbps).
EMAIL LIMIT	This sets the size limit for files attached to email (1 – 25 MB).

Using iOS/iPadOS sharing functions

Available only in Handy Recorder Pro

The iOS/iPadOS sharing functions can be used to share files with various apps.



1. On the SHARE screen, tap “Others”.

This shows the iOS/iPadOS sharing functions.

Files app support function

Available only in Handy Recorder Pro

In Handy Recorder PRO, recorded files are managed in the iOS/iPadOS Files app.

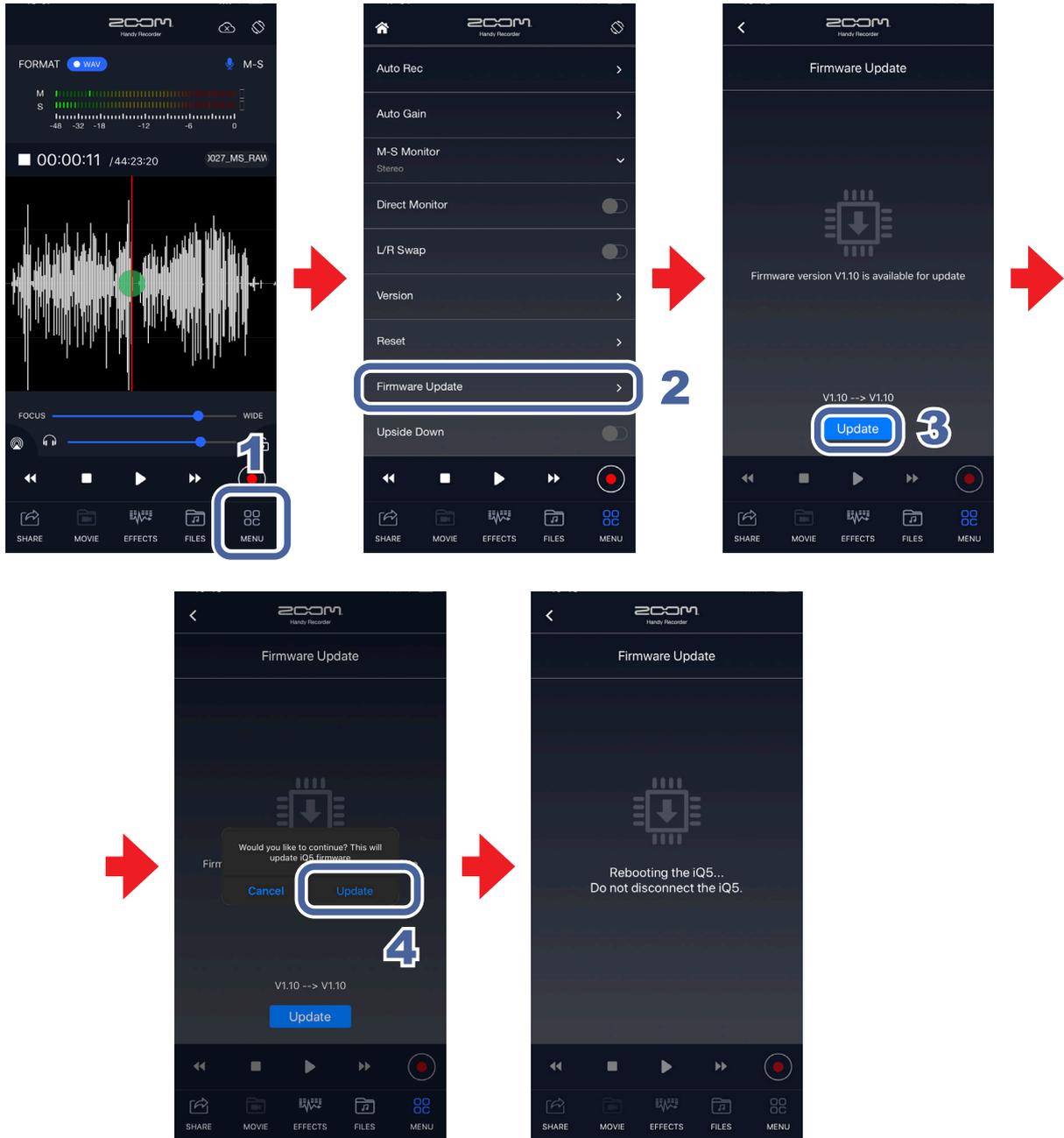


NOTE

- The first time a recording is made, a HandyRecorder PRO folder will be created in the Files app on the iPhone.
- Changes made in the Files app will be reflected in Handy Recorder PRO.

Updating iQ Series mic firmware

When an iQ Series mic is connected, its firmware can be updated to the latest version. This example is of an iQ5 being updated to version 1.10.



1. Tap .
2. Scroll the MENU screen, and tap "Firmware Update".

If an iQ Series mic is connected properly, the current and latest versions will be shown.

NOTE

If "Unsupported function." appears, an iQ Series mic is not properly connected.

3. Tap  .
4. When "Would you like to continue?" appears, tap "Update".

An "Updating..." message will appear.

Tap "Cancel" to not conduct the update.

When updating completes successfully, the following message will appear. "Rebooting the iQ5... Do not disconnect the iQ5." Then, the Main Screen will open automatically.

(The message that appears after updating completes will show the model name of the connected iQ Series mic. This example uses an iQ5, so "iQ5" is shown.)

NOTE

- Do not disconnect the iQ Series mic from the iOS/iPadOS device or quit Handy Recorder while the firmware version is being updated.
- During a firmware update, if the phone or alarm functions of the iOS/iPadOS device are used, the update could be interrupted and the iOS/iPadOS could become unstartable. Before updating the firmware, put the iOS/iPadOS device into Airplane Mode and turn off alarms.
- Confirm that the iOS/iPadOS device has enough remaining battery charge before starting a firmware update.
- In the unlikely event that a firmware update should fail while in progress, conduct the procedures from the beginning to update the firmware again.

Swapping left/right input channels

Available only when using iQ Series mics

The left and right channels can be swapped on iQ Series mics. This is convenient if, for example, the iQ Series mic channels are reversed when recording video using the built-in camera of the iOS/iPadOS device.

1. Tap  .
This opens the MENU screen.
2. Tap  next to "L/R Swap".
Setting the switch to  enables the function.

NOTE

The "L/R Swap" setting is remembered by the iQ Series mic itself, and will be applied when using it with other apps.

Reversing the screen orientation

The screen orientation can be reversed on iPhones that do not have Home Buttons.

1. Tap .
This opens the MENU screen.
2. Tap  next to "Upside Down".
Setting the switch to  enables the function.

Resetting the app

All Handy Recorder settings can be reset at once.

1. Tap .
This opens the MENU screen.
2. Tap "Reset".
"Reset all Handy Recorder settings? It cannot be undone!" will appear.
Tap "Reset" to execute the operation or tap "Cancel".
"Complete!" will appear when optimization completes.



ZOOM CORPORATION

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

zoomcorp.com