

Plug-in Type Microphone
ECM-AX10



Download the app.

You can record, play back, and edit using the “Spatial Audio Video Tool” app.
The recorded data can be exported in formats for different purposes using the export function.

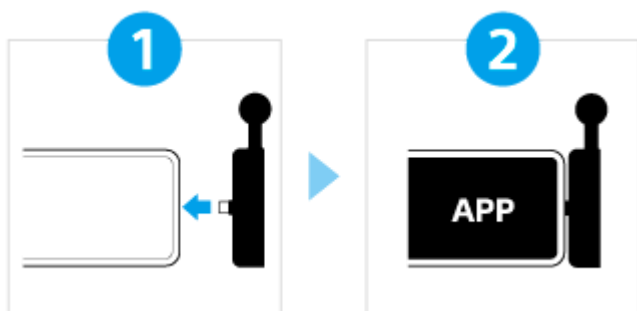
For customers in countries and regions excluding Mainland China:



For customers in Mainland China:

[Download URL](#)

Let's start to use



1

Connecting the microphone



Connect the USB Type-C connector® on the microphone to the USB Type-C port on the smartphone.

Connect the microphone so that the Sony logo faces the back of the smartphone. The microphone can be used in either portrait or landscape orientation.

The microphone can be attached to a tripod or similar stand to secure the microphone firmly in place.

2

Recording



Download the “Spatial Audio Video Tool” app and use it for recording.

[What you can do with ECM-AX10](#)

Getting started

Supplied accessories

[Included items](#)

[Using the wind screen](#)

[Using the microphone holder](#)

[Using the spacers](#)

Parts and controls

[Location and function of parts](#)

Using the dedicated app

[Installing the “Spatial Audio Video Tool” app](#)

[“Spatial Audio Video Tool” app screen layout](#)

Recording

Preparations before recording

[Connecting the microphone](#)

[About the microphone's orientation during recording](#)

[Changing the recording settings](#)

Recording

[Recording](#)

[Listening to the sound being recorded \(monitoring recording\)](#)

[Recording while filming with the front camera](#)

Playback

[Playback](#)

Editing

[Editing](#)

[Exporting recorded data](#)

Important information

[Precautions](#)

[Maintenance](#)

[If the microphone gets wet](#)

[Licenses](#)

[Trademarks](#)

[How to keep the software up-to-date \(for comfortable use of the microphone\)](#)

Troubleshooting

[Troubleshooting](#)

Specifications

[Specifications](#)

Plug-in Type Microphone
ECM-AX10

What you can do with ECM-AX10

The four microphones built into ECM-AX10 record sound from all directions—left, right, up, down, front, and back (spatial audio).

Using the “Spatial Audio Video Tool” app

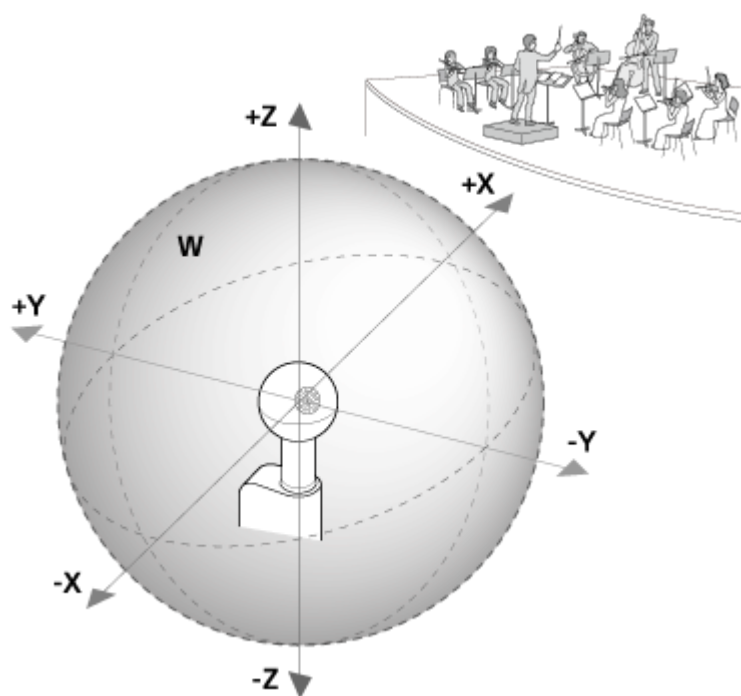
You can record, play back, and edit using the dedicated app. The recorded data can be exported in formats for different purposes using the export function.

Hint

- In SPATIAL mode, recordings are made in [Ambisonics(4ch)] or [Binaural]. If you use any app other than the dedicated app, recordings are made only in [Binaural].

About the SPATIAL (spatial audio) Mode

The four microphones on ECM-AX10 capture three-dimensional spaces exactly as they are—including the direction, height, depth, and movement of sounds.



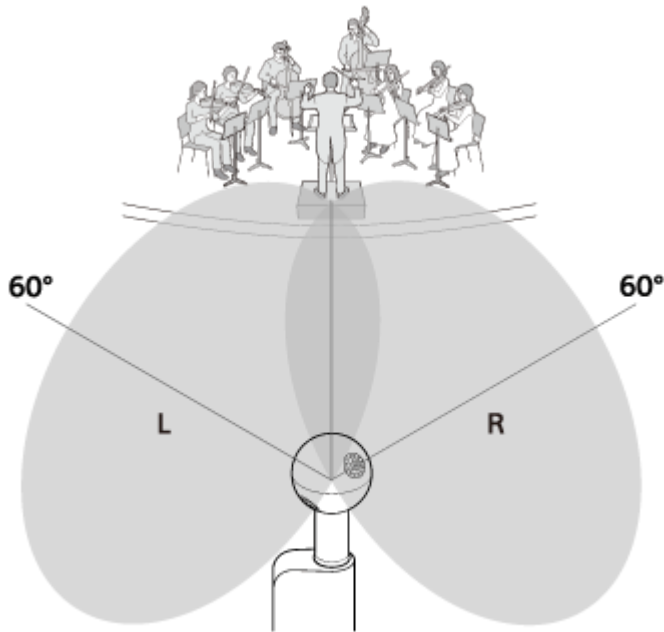
- +X: Front
- -X: Back
- +Y: Left
- -Y: Right
- +Z: Up
- -Z: Bottom
- W: All directions

Use the dedicated app to set the recording mode to [Ambisonics(4ch)] or [Binaural] depending on the viewing environment.

- [Ambisonics(4ch)]: Recorded in Ambisonics B-format (AmbiX).
You can convert and export files to the following audio output formats by using the “Spatial Audio Video Tool” app.
 - [Eclipsa Audio](*) : Select this when creating Eclipsa Audio-compliant videos.
 - [Binaural]: Select this when creating videos for a spatial audio format suitable for listening with headphones.
 - [Stereo]: Select this when creating a video in two channels on the left and right in front.
 - [Audio only: Ambisonics (4ch/WAV format)]: Select this when outputting only AmbiX-format audio data.
 (*)Format that allows for the recording and reproduction of spatial audio in a multi-channel environment.
- [Binaural]: Recorded in the spatial audio format (Binaural) optimized for listening with headphones.

About the STEREO mode

The recordings are made in two channels on the left and right in front.



- L: Left
- R: Right

Hint

- The differences between [Binaural] and [Stereo] are as follows.
 - [Binaural]: This is a spatial audio system with omnidirectional sound distribution optimized for listening with headphones.
 - [Stereo]: This is a common sound system configuration with front-left and front-right directionality.
- If you are having trouble recording in SPATIAL mode using an app other than the dedicated one, try recording in STEREO mode.

Note

- Do not run any other video or audio recording apps while using the dedicated app. Also, when using an app other than the dedicated app, close the “Spatial Audio Video Tool” app.

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Plug-in Type Microphone
ECM-AX10

Included items

After opening the package, check that all of the items in the list are included. If any items are missing, consult the Sony support contact or your nearest Sony dealer.

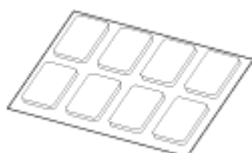
Numbers in parentheses indicate the number of items.

Plug-in Type Microphone (1)

Wind screen (1)



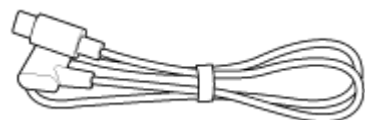
Spacer sheet (1)



Shoe-mount microphone holder (Cold shoe / No electrical contacts) (1)



USB Type-C® cable (USB-C® to USB-C®) (approx. 30 cm (11.82 in)) (1)



Documents (1 set)

Hint

- The supplied USB Type-C cable is designed exclusively for the microphone.

Note

- The spacer sheet is a consumable. If the spacer sheet is damaged and needs replacing, consult the Sony support contact or your nearest Sony dealer.

- There is a risk of small parts being swallowed. After use, keep out of reach of children.

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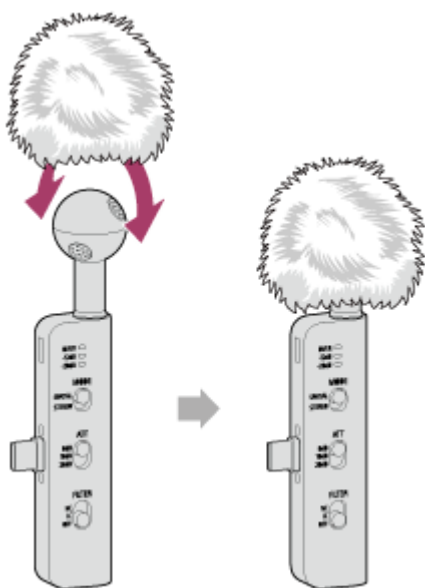
Plug-in Type Microphone
ECM-AX10

Using the wind screen

The wind screen reduces noise caused by wind or breathing hitting the microphone directly.

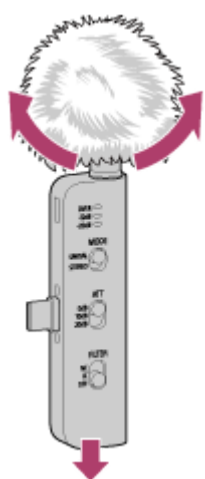
Attaching the wind screen

Spread out the fabric of the wind screen opening and pull the wind screen over the microphone until it completely covers the microphone part and the base of the microphone.



Removing the wind screen

Pull the microphone while spreading the fabric over the windscreen opening.



Note

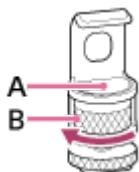
- When attaching or removing the wind screen, be sure to hold the edge of the fabric and pull it, taking care not to pull on the fur.
- If the wind screen gets wet, remove it from the microphone and let it air dry.

Plug-in Type Microphone
ECM-AX10

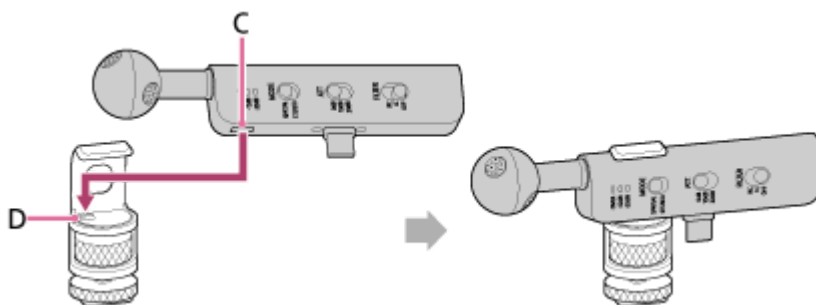
Using the microphone holder

When securing the smartphone in landscape orientation, use a commercially available smartphone holder with a shoe mount and the supplied microphone holder.

- 1 Turn the microphone locking dial (B) on the microphone holder to the left to lower the mounting base (A) to its lowest position.

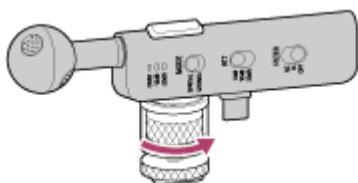


- 2 Align the recess on the side of the microphone (C) with the protrusion on the microphone holder (D), and install it so that it does not tilt relative to the upper arm mount.

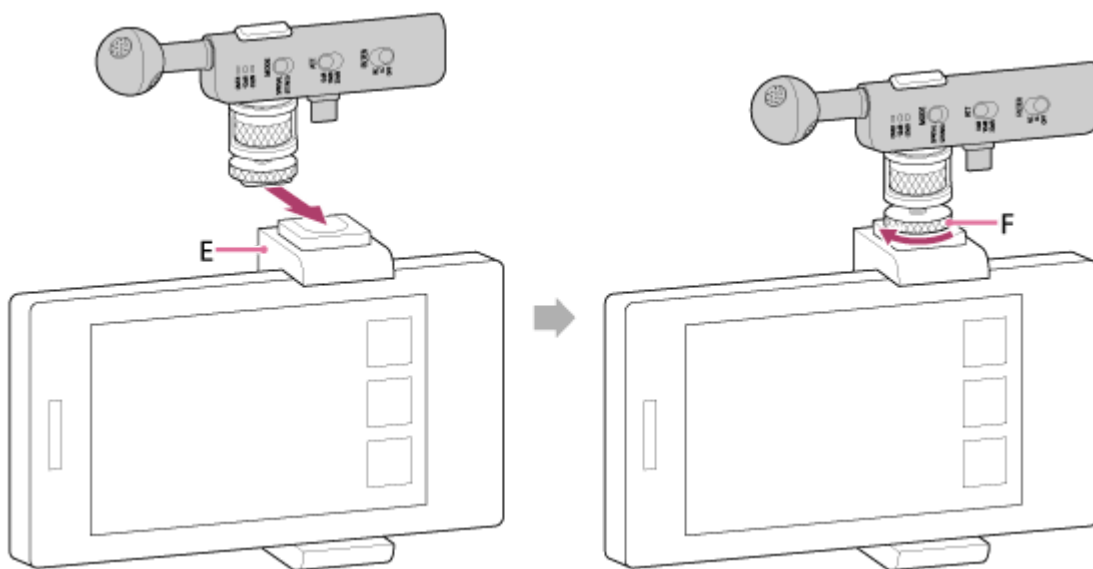


- 3 Turn the microphone locking dial on the microphone holder to the right to secure the microphone to the microphone holder.

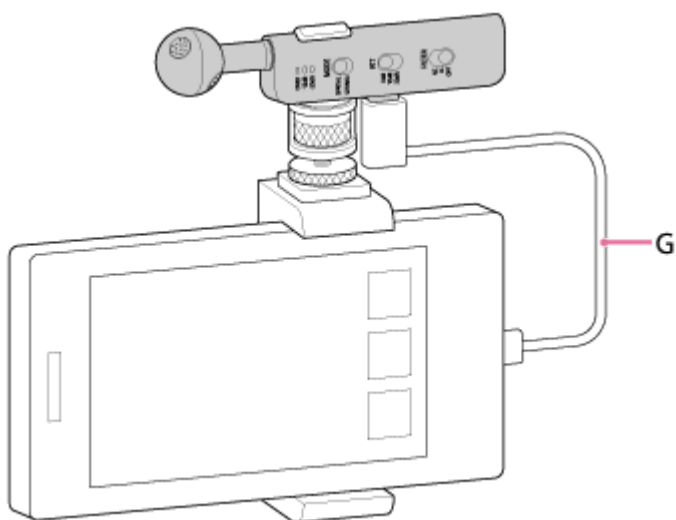
Turn the dial so that the cushion on the arm part touches the microphone.



- 4 Attach the microphone holder to the smartphone holder (E), then turn the locking dial (F) to the left to secure it.



- 5 Connect the microphone to the smartphone using the supplied USB Type-C cable (G).



Note

- Be careful not to touch the cable while recording. This may cause some noise.

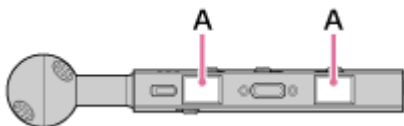
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Plug-in Type Microphone
ECM-AX10

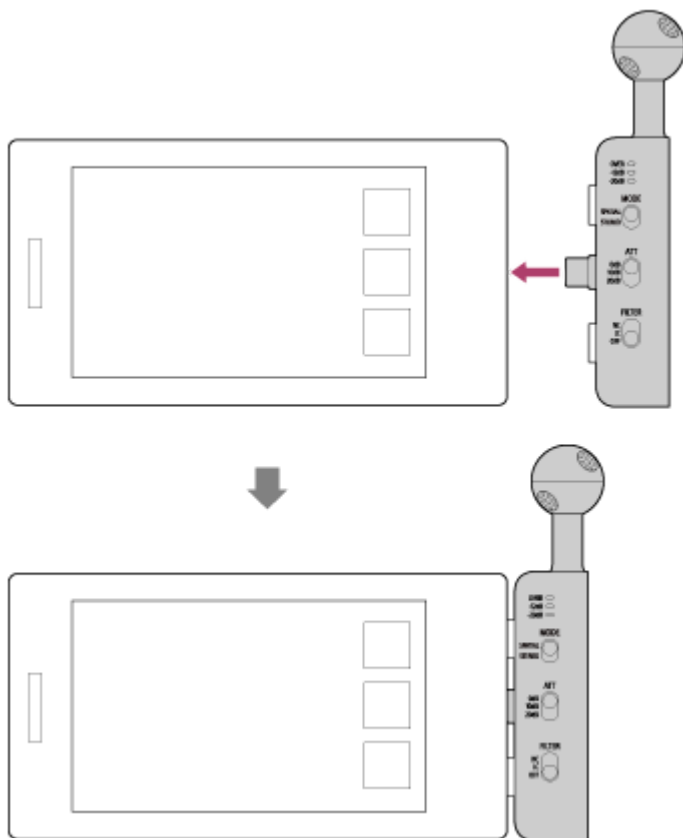
Using the spacers

If there is a gap between the smartphone and microphone when you connect the microphone to the USB Type-C port on the smartphone, use the supplied spacers.

- 1 Stick the spacers to the left and right (A) of the USB Type-C connector on the microphone.



- 2 Connect the microphone to the smartphone and make sure there is no space between the microphone and the smartphone.



Hint

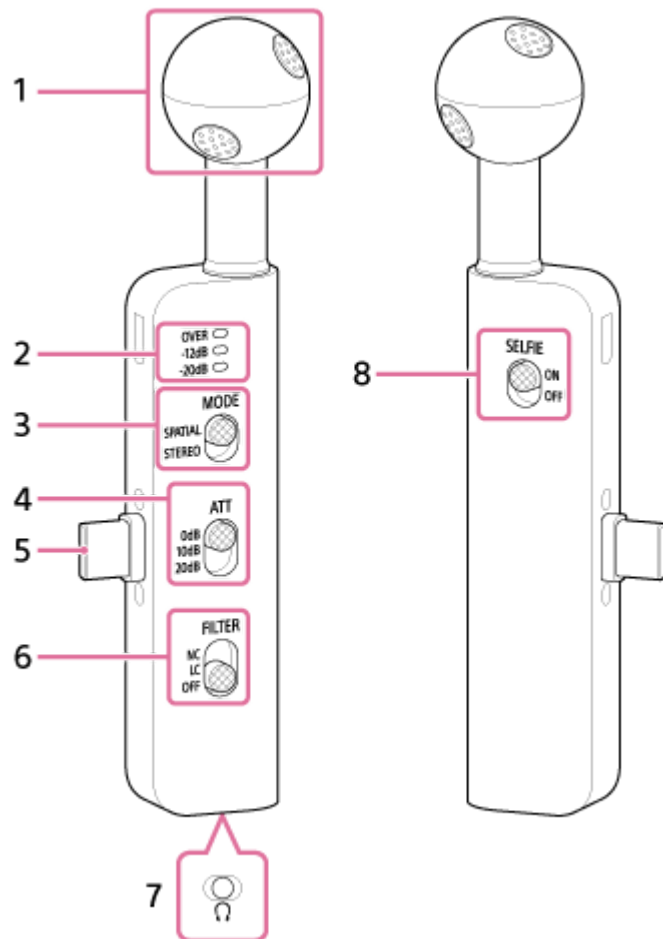
- If there is still space between the smartphone and microphone after attaching the spacers, stick on another layer of spacers.

Note

- Make sure the USB Type-C connector is fully inserted. If your device is in a case, for example, the USB Type-C connector may not connect properly, and the smartphone may not recognize the microphone.
- Remove the spacers when using the microphone holder.

Plug-in Type Microphone
ECM-AX10

Location and function of parts



1. Microphone

2. Peak level meter

The indicator lights indicate the maximum peak level during recording.

If the “OVER” indicator light is on, distortion may occur.

When this is the case, set the ATT switch to “10dB” or “20dB.”

3. MODE (mode) switch

Select the directionality of the sound being recorded.

- “SPATIAL” (spatial audio): Records the sound field in all directions—up, down, left, and right—as well as the depth from front to back.
- “STEREO” (stereo): Records with a focus on the front left and right channels.

4. ATT (attenuator) switch

Select the appropriate setting based on the volume of the audio to be recorded.

When recording loud sounds with minimal distortion, set this to “20dB.”

We recommend selecting a setting while checking the volume using the level meter on the dedicated app or the microphone.

5. USB Type-C connector

Connect to the USB Type-C port on the smartphone.

6. FILTER (filter) switch

- “NC” (noise cut): Select this when using the noise cut filter. This effectively removes stationary noise using digital signal processing. If the sound quality feels unnatural, set it to “OFF.”
- “LC” (low cut): Select this when using the low cut filter. This reduces unwanted noise such as wind noise, air conditioning noise, and vibration noise.
- “OFF”: Turns off the filter.

Note

- When holding the microphone in your hand in a quiet environment, faint vibration noise may be recorded. If you are concerned about vibration noise, try setting the FILTER switch to “LC.”

7. Headphone cable input jack (Φ3.5 mm)

Connect optional headphones to monitor the sound being recorded. The monitoring volume can be adjusted using the dedicated app.

8. SELFIE (selfie) switch

Select the direction of the sound being recorded. When recording with the smartphone’s front camera, set this to “ON.”

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Plug-in Type Microphone
ECM-AX10

Installing the “Spatial Audio Video Tool” app

Install “Spatial Audio Video Tool”, an application for recording, playing back, or editing, to your smartphone.

- 1 Download and install the “Spatial Audio Video Tool” app on Google Play or the App Store to your device.



- 2 Connect the microphone to the smartphone.

See “[Connecting the microphone](#)”.

- 3 Launch the “Spatial Audio Video Tool” app.

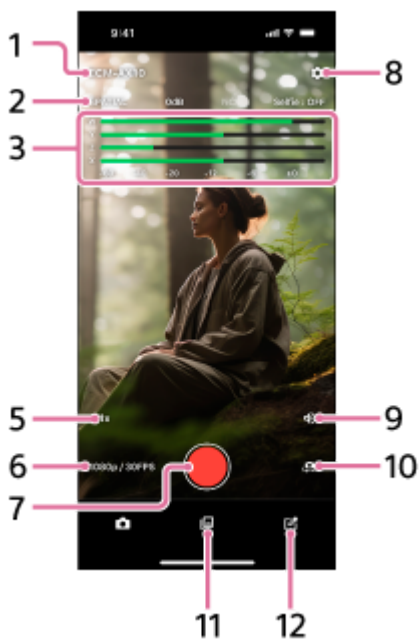
Follow the on-screen instructions and make sure the recording screen appears.



“Spatial Audio Video Tool” app screen layout

Recording screen

- Recording screen before recording



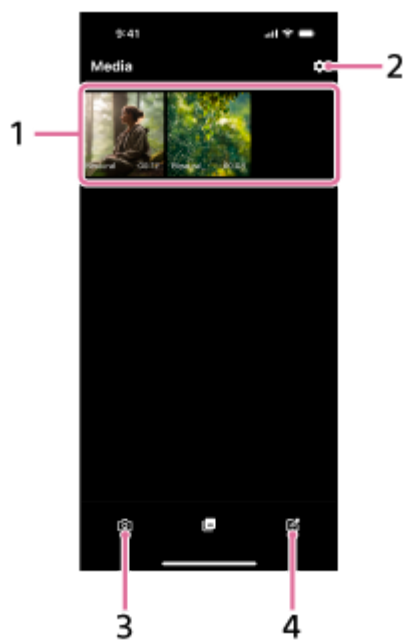
- Recording screen during recording



1. Microphone in use
2. Displays the setting status for recording
3. Peak level meter

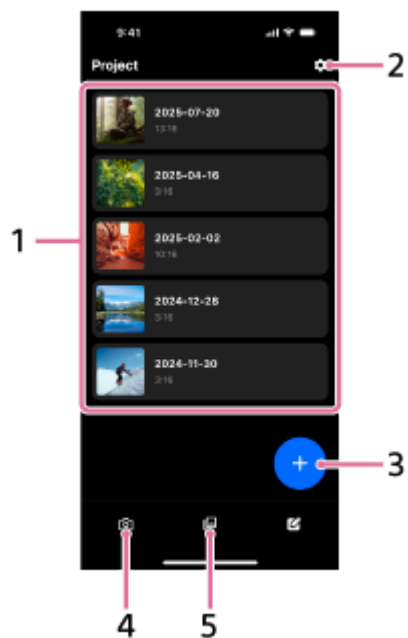
4. Elapsed recording time
5. Zoom magnification
6. Video resolution/frame rate
7. Recording start/stop button
8. Setting menu
9. Monitoring volume
10. Switch between main camera and front camera
11. To the media screen
12. To the project screen

Media screen



1. Media list (audio type, recording time)
2. Setting menu
3. To the recording screen
4. To the project screen

Project screen



1. Project list (project name, total time)
2. Setting menu
3. New project
4. To the recording screen
5. To the media screen

Related Topic

- [Changing the recording settings](#)
- [Recording](#)
- [Listening to the sound being recorded \(monitoring recording\)](#)
- [Recording while filming with the front camera](#)
- [Playback](#)
- [Editing](#)
- [Exporting recorded data](#)

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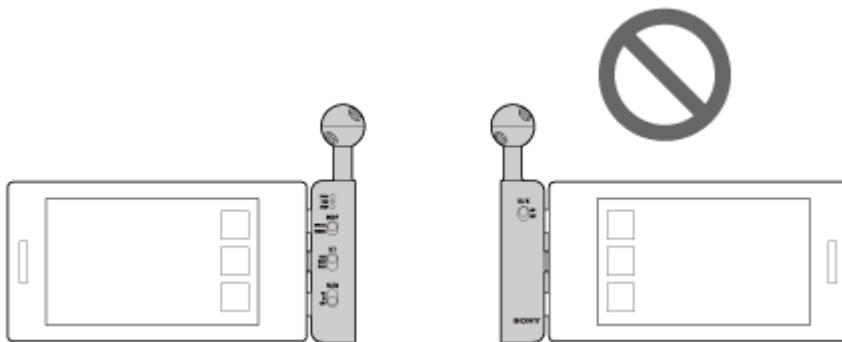
Plug-in Type Microphone
ECM-AX10

Connecting the microphone

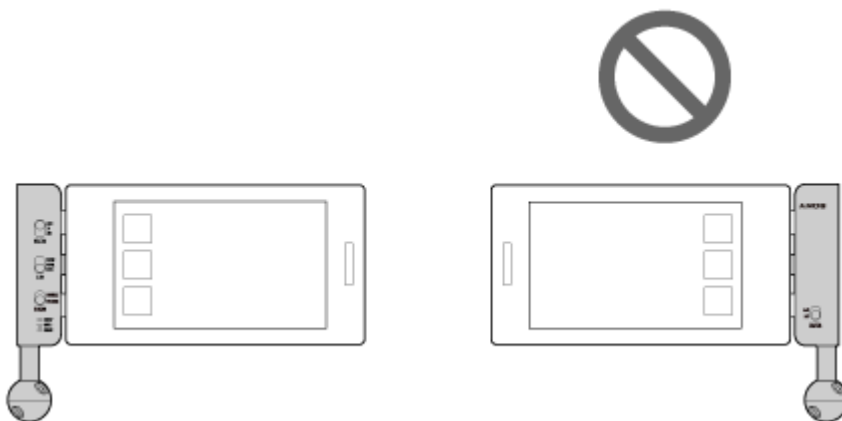
Connecting the microphone to the smartphone directly

Connect the USB Type-C connector on the microphone to the USB Type-C port on the smartphone. Connect the microphone so that the Sony logo faces the back of the smartphone. The microphone can be used in either portrait or landscape orientation.

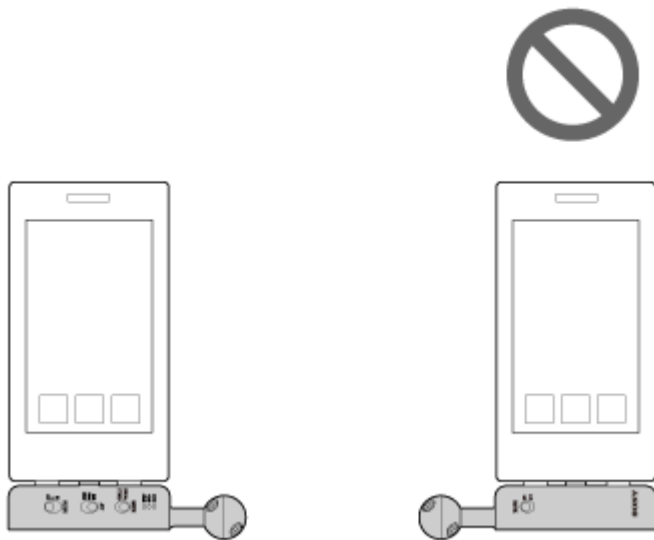
- When recording with the smartphone in landscape orientation with the microphone facing upward



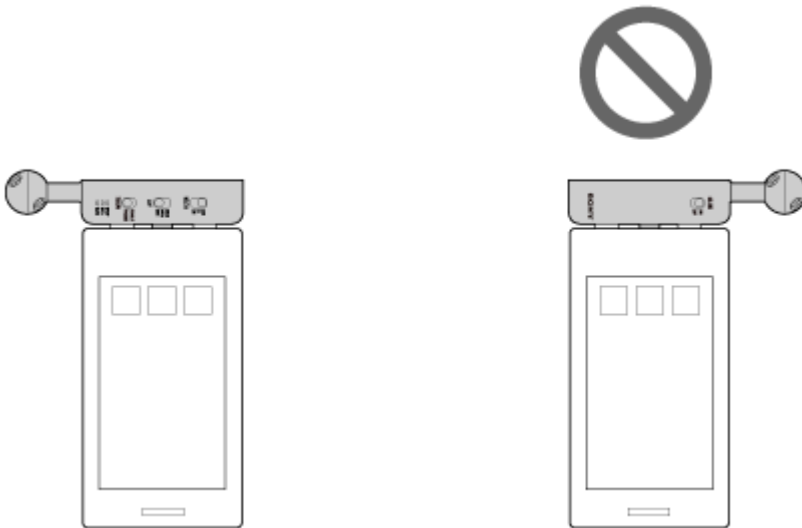
- When recording with the smartphone in landscape orientation with the microphone facing down



- When recording with the smartphone in portrait orientation with the microphone under the smartphone



- When recording with the smartphone in portrait orientation with the microphone on top of the smartphone

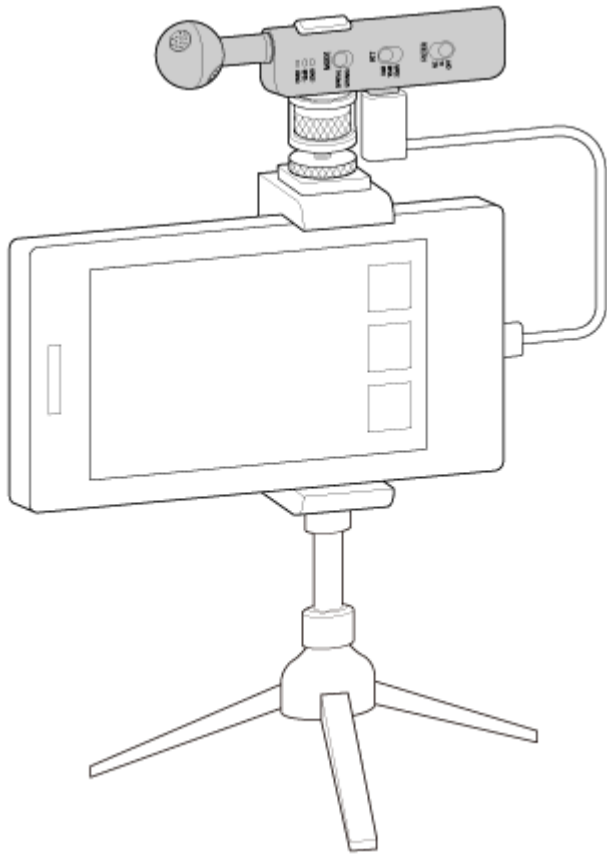


Hint

- If there is a gap between the smartphone and the microphone, causing instability, stick the spacers onto the microphone.
- We recommend using a tripod if you are concerned about camera shake or vibration noise.

Using a commercially available camera tripod

To securely mount the microphone, attach the microphone to a camera tripod using the supplied microphone holder. Attach the microphone so that it faces the same direction as the smartphone.



Related Topic

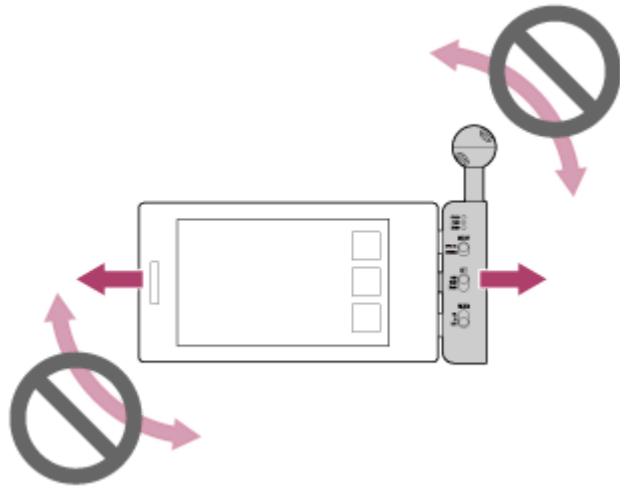
- [Using the microphone holder](#)
- [Using the spacers](#)

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Plug-in Type Microphone
ECM-AX10

About the microphone's orientation during recording

Keep the microphone pointed in the same direction while recording. If you need to move the microphone, slide it side-to-side without changing its orientation.



Hint

- The microphone has a built-in accelerometer that automatically detects its orientation. The directional pattern is fixed based on the microphone's position when recording begins. Do not change the orientation of the microphone during recording.

Note

- When changing the orientation of the microphone, first pause the recording, change its orientation, and then resume recording.

Related Topic

- [Connecting the microphone](#)

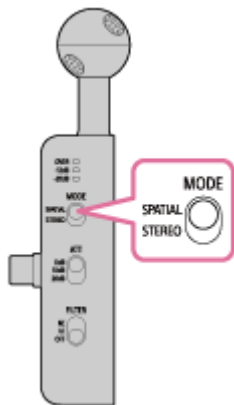
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Plug-in Type Microphone
ECM-AX10

Changing the recording settings

Selecting the microphone directivity

Slide the MODE switch on the microphone to change the setting.



To record spatial audio, set this to "SPATIAL." To record in stereo, set it to "STEREO."
If you set it to "SPATIAL," select a recording method by following "Selecting the recording method."

Selecting the recording method

Select the recording method for recordings made in SPATIAL mode.
For details on the recording method, see "[What you can do with ECM-AX10](#)."

1. Connect the microphone to the smartphone.

See "[Connecting the microphone.](#)"

2. Launch the "Spatial Audio Video Tool" app.

3. Tap the setting icon (A).

⚙ : Setting icon



4. Tap [SPATIAL recording mode].

5. Select the recording method you want to use.

- [Ambisonics(4ch)] (AmbiX format)
- [Binaural] (2ch format)

Hint

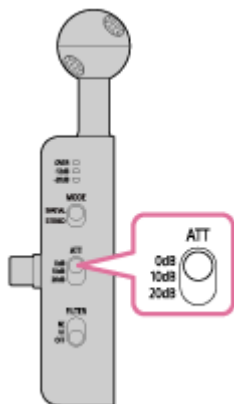
- For [Binaural] and [Stereo], the levels are automatically adjusted and saved to prevent audio distortion.

Note

- Do not run “Spatial Audio Video Tool” and other recording apps at the same time.

Switching the setting to match the volume of the sound to be recorded

Slide the ATT switch on the microphone to change the setting.



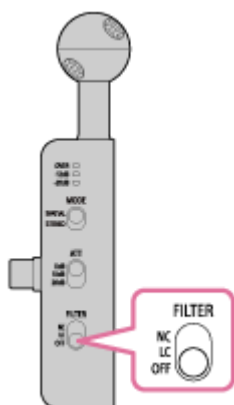
When recording loud sounds with minimal distortion, set this to “20dB.”

Hint

- The approximate guidelines are as follows.
 - “0dB”: Standard usage
 - “10dB”: For use in noisy environments
 - “20dB”: For use in environments with high volume levels, such as live performances

Reducing noise

Slide the FILTER switch on the microphone to change the setting.



To eliminate background noise, set this to “NC.” To reduce unwanted noise such as wind noise, air conditioning noise, or vibration noise, set it to “LC.”

Hint

- When holding the microphone in your hand in a quiet environment, faint vibration noise may be recorded. If you are concerned about vibration noise, try setting the FILTER switch to “LC.”

Related Topic

- [Location and function of parts](#)

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Plug-in Type Microphone
ECM-AX10

Recording

Record using the connected microphone or the smartphone's built-in microphone.

1 Set up the microphone.

See ["Connecting the microphone"](#) and ["About the microphone's orientation during recording."](#)

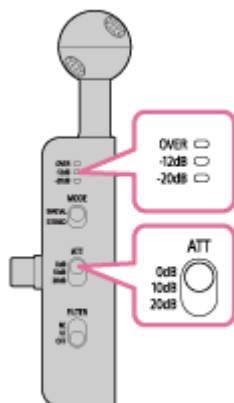
2 Change the recording settings.

See ["Changing the recording settings."](#)

3 Launch the "Spatial Audio Video Tool" app.

Follow the on-screen instructions.

4 Use the ATT switch to change the attenuator setting while monitoring the peak level meter.



If the "OVER" indicator light is on, distortion may occur. Set the ATT switch to "10dB" or "20dB."

Hint

- Set the ATT switch to a setting where the peak level remains around -12 dB on the level meter.

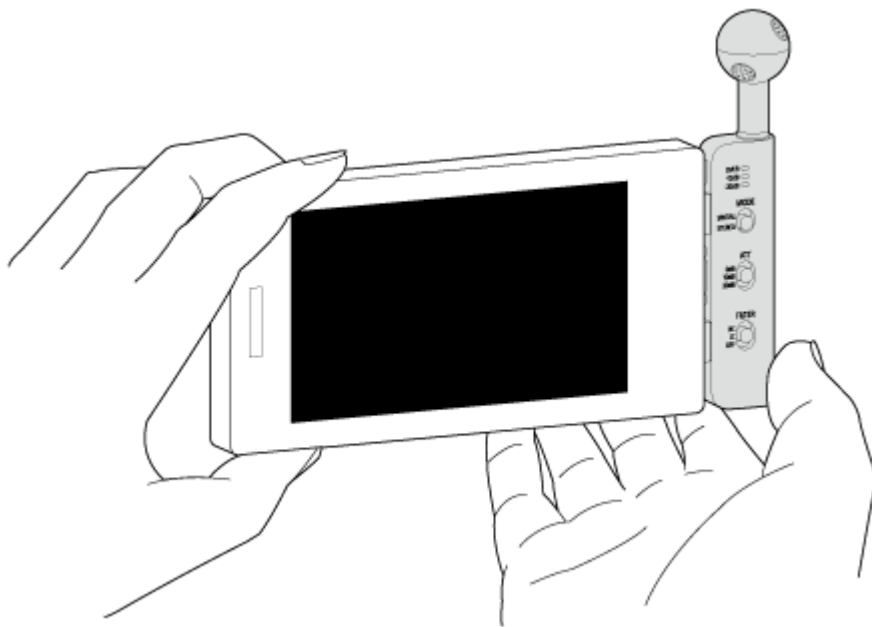
5 Tap the recording start button (A) on the recording screen on the app.

● : Recording start button



Recording starts.

- When the microphone is connected directly to the smartphone, hold the smartphone by supporting the bottom of the smartphone with both hands, taking care not to touch the microphone.



- To stop recording, tap the recording stop button.
- : Recording stop button

Hint

- You can change the setting of the ATT and FILTER switches even while recording.
- We recommend doing a test recording before recording or recording while monitoring the audio. See [“Listening to the sound being recorded \(monitoring recording\).”](#)
- The recording level also can be checked on the recording screen on the app.

Note

- If you do any of the following while recording, background noise may be recorded.
 - Using the switch
 - Touching or rubbing your hand against the microphone or headphone cable
- Recording will stop if you use the phone function on the smartphone to which the microphone is connected. While using the microphone, we recommend setting the smartphone to airplane mode.

Related Topic

- [“Spatial Audio Video Tool” app screen layout](#)
- [Changing the recording settings](#)
- [Recording while filming with the front camera](#)

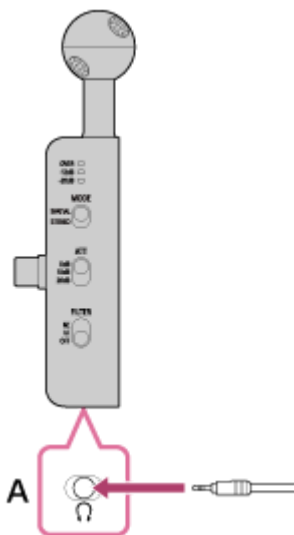
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Plug-in Type Microphone
ECM-AX10

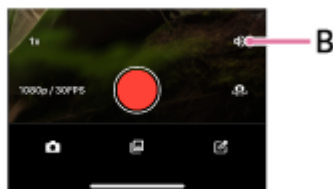
Listening to the sound being recorded (monitoring recording)

The microphone input sound can be monitored using headphones that have been connected to the microphone.

- 1 Connect the optional headphones to the headphone cable input jack (A).



- 2 Adjust the monitoring volume (B) on the “Spatial Audio Video Tool” app.



Hint

- When the MODE switch on the microphone is set to “SPATIAL,” the Binaural audio can be monitored. When the MODE switch on the microphone is set to “STEREO,” the stereo audio can be monitored.

Note

- If the volume is too loud while you are monitoring the recording, or if the headphones are too close to the microphone, the microphone may pick up the sound from the headphones, causing a beeping sound (feedback).
- We recommend using closed-back headphones with minimal sound leakage for monitoring recordings.
- Keep the recording screen displayed while using the recording monitor. If you switch to a screen other than the recording screen, the recording monitoring will stop.
- The microphone is not compatible with 5-pin noise-canceling headphones.
- When the microphone is connected to the smartphone, you cannot monitor the recording through headphones connected to the smartphone via BLUETOOTH® connection.

Related Topic

- [“Spatial Audio Video Tool” app screen layout](#)
- [Changing the recording settings](#)

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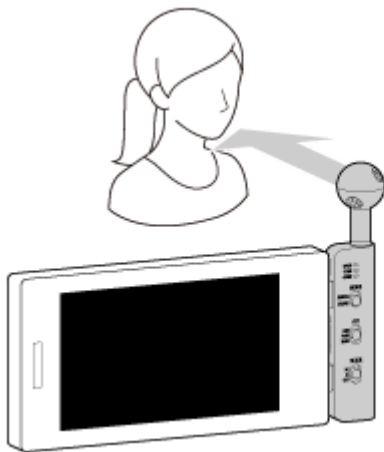
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Plug-in Type Microphone
ECM-AX10

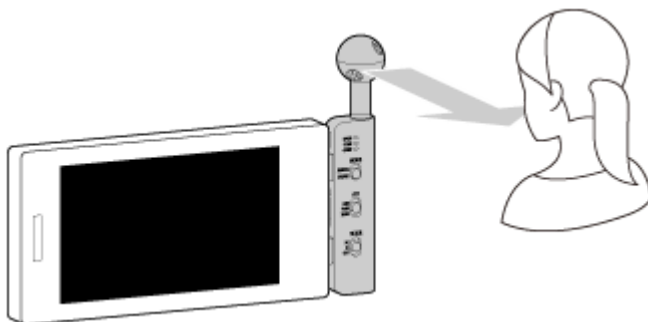
Recording while filming with the front camera

Record while filming with the front camera of your smartphone.

- When the SELFIE switch is set to OFF, it records sound from the direction in which the main camera is pointing.



- When the SELFIE switch is set to ON, it records sound from the direction in which the front camera is pointing.

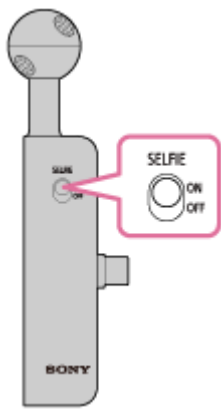


- 1 Tap the rotation icon (A) on the “Spatial Audio Video Tool” app to switch to selfie mode, and confirm that the screen has changed to this mode.

: Rotation icon



- 2 Set the SELFIE switch on the microphone to “ON.”



3 Start recording.

See [“Recording.”](#)

Hint

- When the SELFIE switch is set to “ON,” the sound from the front is reversed in the depth direction relative to the microphone. As a result, the front and back and left and right directions are reversed in the recording.
- If you set the SELFIE switch to “ON” and listen to the monitoring audio while recording, the left and right channels for the person recording and the monitoring audio will sound different. However, the left and right channels in the recorded video audio will be identical.

Related Topic

- [Changing the recording settings](#)
- [Recording](#)
- [Listening to the sound being recorded \(monitoring recording\)](#)

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Plug-in Type Microphone
ECM-AX10

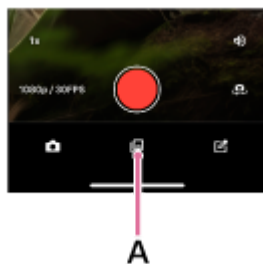
Playback

1 Launch the “Spatial Audio Video Tool” app.

The recording screen appears.

2 Tap the media icon (A) to open the media screen.

 : Media icon



3 Tap the video (B) you want to play.



The playback screen for the selected video appears, and the video begins playing.

4 Operate the smartphone to adjust the volume.

To delete a video

Tap the delete icon on the playback screen.

Follow the on-screen instructions to delete the video.

 : Delete icon

Hint

- When the video is recorded with the MODE switch on the microphone set to “SPATIAL,” the recorded audio plays back as Binaural. When the video is recorded with the MODE switch on the microphone set to “STEREO,” the recorded audio plays back in stereo.
- The video can be exported in formats for different purposes by tapping the export icon on the playback screen.
 : Export icon
- Make sure that if you delete a video currently in use in a project, you will no longer be able to play it from within the project.

Note

- When the microphone is connected, no sound is output from the smartphone’s speaker. To check the audio, either disconnect the microphone or connect headphones to the microphone.

Related Topic

- [“Spatial Audio Video Tool” app screen layout](#)
- [Exporting recorded data](#)

TP1002508810

Editing

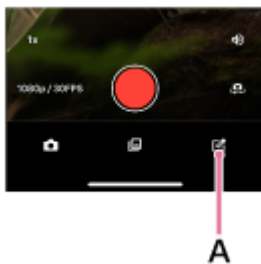
You can trim or adjust the screen orientation or volume of the videos recorded with the “Spatial Audio Video Tool” app.

1 Launch the “Spatial Audio Video Tool” app.

The recording screen appears.

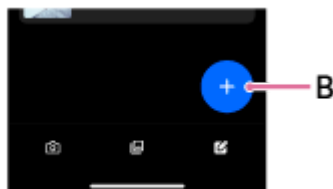
2 Tap the project icon (A) to open the project screen.

 : Project icon



3 Tap the new project icon (B).

 : New project icon



4 Select the screen orientation.

- [Landscape]: Landscape orientation (16:9) screen
- [Portrait]: Portrait orientation (9:16) screen

5 Select the video you want to edit, then tap [OK].

The editing screen for the selected video appears.

6 Edit by following the on-screen instructions.

To trim the beginning or end of a video

1. Tap the video you want to trim on the project screen.

The editing screen appears.

2. Tap the video timeline.

3. Slide the white frame at the beginning or end of the video to adjust its length.

When adjusting the start point, align the screenshot of the section you want to set as the start point with the 00:00 mark.

4. Tap the back icon at the upper-left corner of the screen.

 : Back icon
Your edits are saved.

Hint

- The selected video can be deleted by tapping the delete icon.
 : Delete icon

Related Topic

- [“Spatial Audio Video Tool” app screen layout](#)

TP1002508811

Exporting recorded data

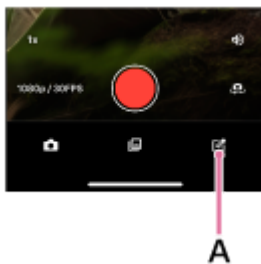
The recorded data can be exported in formats for different purposes using the export function.

1 Launch the “Spatial Audio Video Tool” app.

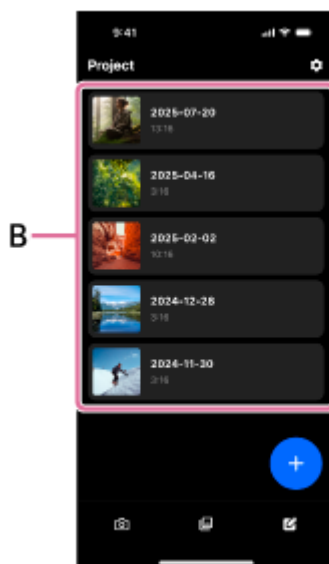
The recording screen appears.

2 Tap the project icon (A) to open the project screen.

 : Project icon



3 Tap the video (B) you want to export.



4 Tap [Export].

5 Check the file name and select the audio output format.

- [Eclipsa Audio]: Select this when creating Eclipsa Audio-compliant videos.
- [Binaural]: Select this when creating videos for a spatial audio format suitable for listening with headphones.
- [Stereo]: Select this when creating a video in two channels on the left and right in front.
- [Audio only: Ambisonics (4ch/WAV format)]: Select this when outputting only AmbiX-format audio data.

6 Tap [Export].

Hint

- Recorded data also can be exported on the playback screen.
- When exporting a video, the audio levels are automatically adjusted to prevent distortion before the file is saved.
If you export as [Audio only: Ambisonics (4ch/WAV format)], the audio is not compressed and retains the recorded volume.

Related Topic

- [“Spatial Audio Video Tool” app screen layout](#)
- [Playback](#)

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Precautions

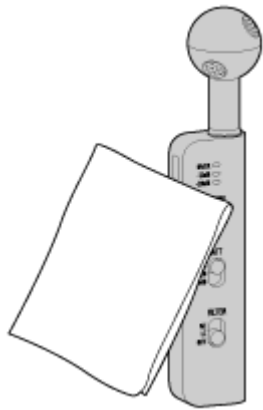
- This unit is designed to be dustproof and splash-proof, but it is not waterproof. Make sure the unit is not exposed to rain when using the unit outdoors in the rain.
- Do not insert the USB connector when the unit is wet. Also, when inserting, make sure that no other objects can get in.
- To avoid the risk of damage or a malfunction, observe the following:
 - This unit is precision equipment. Do not drop the unit, hit it, or subject it to a strong physical impact.
 - Do not use or store this unit in a place subject to high temperatures and humidity.
 - When using this unit outdoors, keep the unit from exposure to rain or seawater.
 - Do not sit down with the unit in your back pocket.
- The supplied USB Type-C cable is compatible only with this unit.
- If dust or water droplets are present on the surface of the unit (microphone, wind screen, etc.), a successful recording may not be possible. Be sure to clean the microphone surface before using this unit.
- Depending on the communications environment of devices connected to the unit and the surrounding conditions, noise or sound interruptions may occur.
- If the connected device transmits wireless signals during recording, noise may be produced in the recording. In such cases, set the connected device to airplane mode.
- When the unit exterior is dirty, wipe it clean with a soft dry cloth.
- While this unit is connected, no sound will be output from the speakers of the connected device. If you are listening to audio through the speakers, disconnect this unit from the connected device after recording is complete.
- After use, disconnect the unit from the connected device and store it. If you use the unit while it is still connected, excessive force may be applied to the connector, causing it to break.
- On smartphones that allow you to configure OTG settings individually, this feature may be turned off by default. In that case, enable OTG connectivity in your smartphone's settings.

TP1002508813

Plug-in Type Microphone
ECM-AX10

Maintenance

After use, wipe off any dust or dirt on the microphone's exterior with a soft dry cloth, etc.



Note

- Do not use wet wipes such as those containing alcohol, thinner, or benzene as they may damage the finish on the surface of the microphone or cause other damages.

Related Topic

- [If the microphone gets wet](#)

TP1002508814

Plug-in Type Microphone
ECM-AX10

If the microphone gets wet

Carefully note the precautions below to ensure proper use of the microphone.

- Do not splash water forcibly into the microphone part.
- In cold regions, there is a risk of freezing. Be sure to wipe off any water droplets after use.
- Do not place the microphone in water or use it in a humid place such as a bathroom.
- When the microphone gets wet
 1. Use a soft dry cloth to wipe off any water that gets on the microphone.
 2. Leave the microphone to dry at room temperature.

TP1002508815

Plug-in Type Microphone
ECM-AX10

Licenses

- This product contains software that Sony uses under a licensing agreement with the owner of its copyright. We are obligated to announce the contents of the agreement to customers under requirement by the owner of copyright for the software. Please access the following URL and read the contents of the license.
<https://rd1.sony.net/help/proaudio/sl/26/>
- Network services, content and the (operating system and) software of this product may be subject to individual terms and conditions and changed, interrupted or discontinued at any time and may require fees, registration and credit card information.

TP1002508816

Plug-in Type Microphone
ECM-AX10

Trademarks

- Google Play is a trademark of Google LLC.
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 - USB Type-C® and USB-C® are registered trademarks of USB Implementers Forum.
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- In this manual, ™ and ® marks are not specified.

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How to keep the software up-to-date (for comfortable use of the microphone)

Install the latest microphone software by using the “Spatial Audio Video Tool” app to enjoy new functions or to resolve a certain number of issues with the microphone. Always use the microphone with the latest software installed. For details on the latest microphone software and how to update the software, refer to the information on the support website.

You can update the microphone software in the following way.

- 1 Launch the “Spatial Audio Video Tool” app on a mobile device such as a smartphone.
- 2 Tap the setting icon.
 : Setting icon
- 3 Update the microphone software by following the on-screen instructions.

Note

- Note the following if the update cannot be completed.
 - Close all the apps installed on the mobile device except the “Spatial Audio Video Tool” app.
 - Fully charge the mobile device.
 - Turn off the power saving mode (*) on your mobile device before updating the software.
Depending on the OS version of your mobile device, the update may not be completed under the power saving mode.

(*) Name may vary according to the mobile device you are using.

Related Topic

- [“Spatial Audio Video Tool” app screen layout](#)

TP1002508818

Plug-in Type Microphone
ECM-AX10

Troubleshooting

If you have any problems, please follow the process below.

1. Remove the microphone from the smartphone.



2. Restart the smartphone.



3. Check the support site below for the relevant issue and its solution.
<https://www.sony.net/support/ECM-AX10/>



4. Should any problems persist, consult the Sony support contact below or your nearest Sony dealer.
<https://www.sony.net/support-contact>

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Plug-in Type Microphone
ECM-AX10

Specifications

Power source:

USB bus power compliant (5 V, 100 mA) (SPATIAL mode, no headphones connected)

Operating temperature:

0 °C to 40 °C (32 °F to 104 °F)

Dimensions (W × H × D)

Approx. 35.1 mm × 116.1 mm × 21.2 mm (1.39 in × 4.58 in × 0.84 in) (excluding projecting parts and controls)

Mass:

Approx. 24 g (0.85 oz) (Microphone)

Type:

Back electret condenser type

Sampling Frequency/Bit depth:

Sampling Frequency 48 kHz

Quantization bits 16bit (Integer), 24bit (Integer), 32bit (Float) (Automatically selected by the smartphone. Priority is given to the higher bit depth.)

Frequency response:

20 Hz - 20 000 Hz

Directivity:

Spatial (Ambisonics/Binaural) /Stereo (switchable)

Sensitivity:

-20 dBFS (0.1 Pa, 1 kHz) (When the ATT switch is set to 0 dB)

Maximum input sound pressure level:

More than 120 dB SPL (output level for 1% waveform distortion at 1 kHz, converted into equivalent input sound pressure level: 0 dB=2 × 10⁻⁵ Pa)

Design and specifications are subject to change without notice.

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