

# P2

## PodTrak



# Operation Manual

You must read the Usage and Safety Precautions before use.

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Proper display is not possible on grayscale devices.

# Notes about this Operation Manual

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# P2 overview

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## Use examples

### Recording podcasts in the field

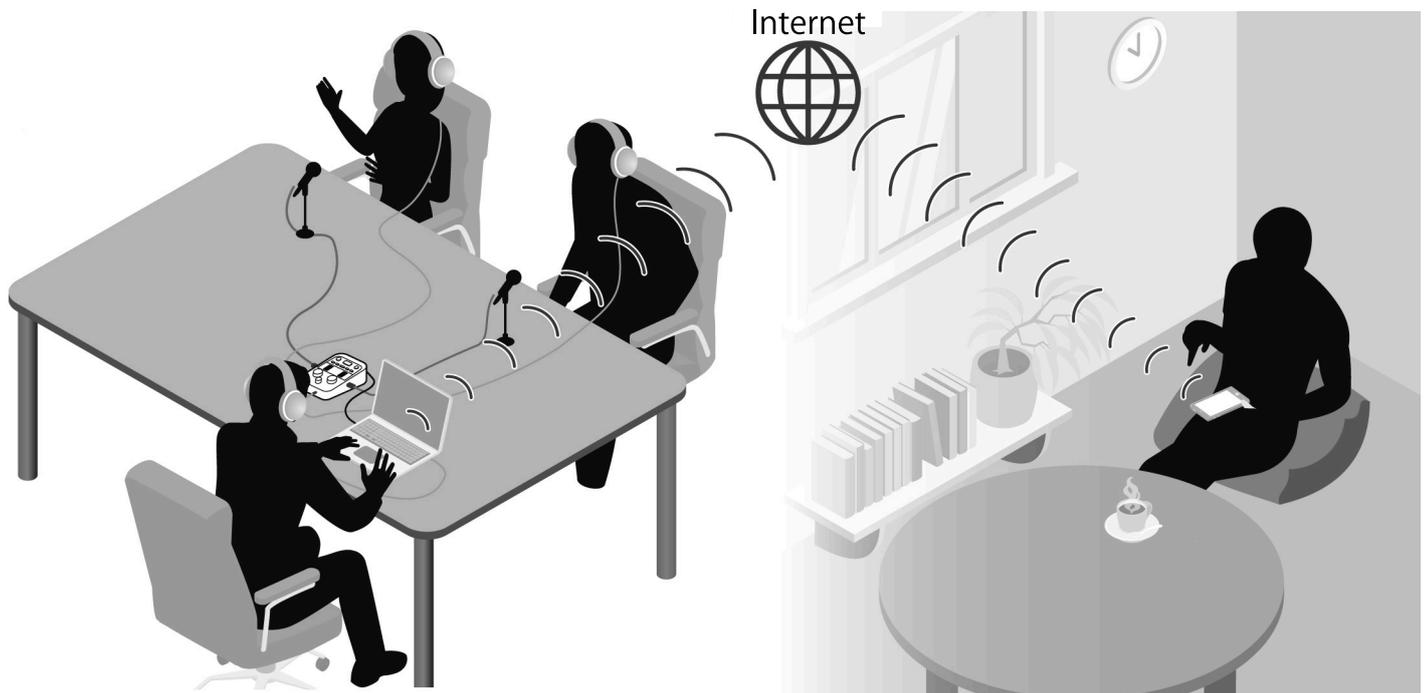
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Powered by regular batteries or a portable battery, the P2 can be used to capture audio in the field. The captured audio can be recorded on a microSD card and transferred to a computer for editing and distribution.



## Recording podcasts with guests participating by phone

By connecting a computer, smartphone or tablet to the P2, guests at remote locations can participate in podcasts by phone.



## Live streaming

By connecting the P2 to a computer, smartphone or tablet, audio can be streamed in real time. (→ [Using as an audio interface](#))

While streaming audio in real time, the P2 can simultaneously record.



# Terms used in this manual

## Podcast

This is one way of sharing audio files on the Internet. Content that is easy to listen to casually on smartphones, computers and other devices can be made and then distributed through the Internet.

## Audio interface

This is a device that can be used to input audio from a mic to a computer, smartphone or tablet and also output audio from that device to headphones, for example.

Background music can be added to podcasts by outputting music and other sound played back on a computer, smartphone or tablet to the P2.

## AIF Mix Minus

Phone guests can participate remotely in podcast recording by using the P2 as an audio interface for a computer, smartphone or tablet.

By enabling the AIF Mix Minus function during remote participation, input from the call participant will not be returned to them, preventing feedback on their end.

## 1. Preparing and checking connections

### ● Preparations

- Install a microSD card in the P2, and supply power to it. (→ [Inserting microSD cards](#), [Supplying power](#))
- Connect USB mics and headphones. (→ [Making connections](#))
  - By using one USB mic for each person, levels can be adjusted according to the volume of each individual, enabling recording that is easier to understand.
  - Adjust the distances between the USB mics and the participants. Then, set the input levels to suit the volumes of the individual voices so they can be recorded at stable levels.
  - In addition to checking the inputs from USB mics, headphones are necessary to hear the voices of guests participating remotely and sounds played back from computers, smartphones and tablets.
- Set the date and time, battery type and automatic power off function. (→ [Setting date and time, battery type and automatic power off \(making initial P2 settings before use\)](#))
- Check the level of the background music being recorded.
- To have guests participate remotely in recording, connect the P2 to a computer, smartphone or tablet. Turn on the AIF Mix Minus function. (→ [Preventing feedback for callers participating remotely in podcast recording \(AIF Mix Minus\)](#))

### ● Measures for environmental noise at recording locations

- Blowing noise caused by wind can be reduced by putting windscreens on USB mics. For other environmental sounds, adjust the USB mics so that they are oriented away from the sound sources.
- Mute channels that are not being used to prevent them from picking up noise. (→ [Muting USB mics](#))
- Touching the USB mics or power cables being used during recording could cause a rustling noise. Use mic stands and keep cables organized. Noise could be picked up if USB and power cables are too close together.
- By turning on the AI NOISE REDUCTION function of the P2, vibrations, wind and other environmental noises picked up by USB mics can be reduced. (→ [Adjusting the sound](#))

---

## 2. Recording

- **Recording themes**

Confirm the content of the discussion with the participants, ready reference materials and make other preparations in advance to enable recording conversations with a good rhythm.

- **Speaking tips**

While focusing on speaking clearly, try to keep sibilant (hissing “s”) and fricative (popping “p”) sounds from becoming too loud.

- **Background music and other sounds**

Add excitement to programs by playing music, effects and other sounds from a computer, smartphone or tablet. (→ [Using as an audio interface](#))

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## 3. Releasing

- **Public release**

Recorded files can be transferred by connecting the P2 to a computer, smartphone or tablet. (→ [Transferring files to computers](#))

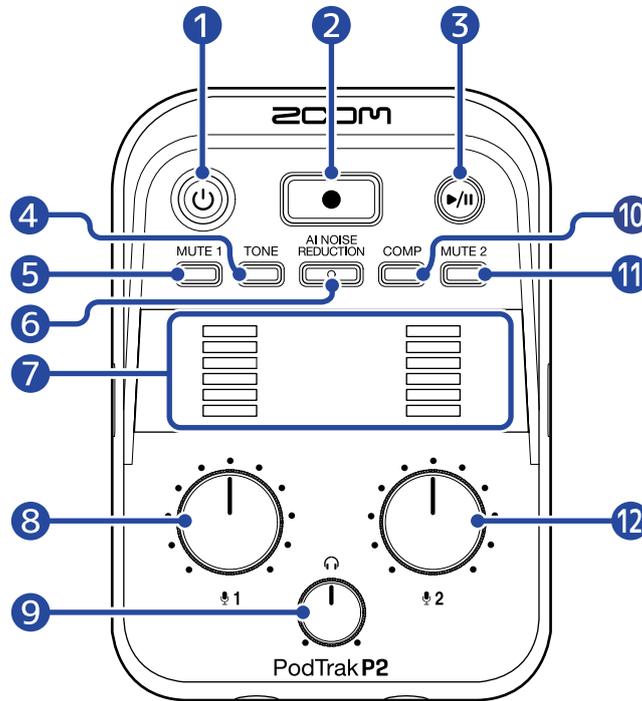
Upload them to the hosting service\* or server being used.

\*Service that provides servers for storing podcast files

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# Functions of parts

## TOP



### 1 POWER button/indicator

This turns the power on/off. It lights when the power is on.

When the P2 is operating on batteries, the remaining charge is shown by the illumination of the POWER indicator.



Full Empty

If the remaining battery charge becomes low, replace the batteries (→ [Installing batteries](#)) or connect a USB AC adapter (→ [Connecting a USB AC adapter](#)) or portable battery (→ [Other power sources](#)).

### 2 RECORD button

This starts and stops recording. This lights during recording.

Pressing this during playback will stop playback.

### 3 PLAY/PAUSE button

This starts, pauses and stops playback of the most recently recorded file. This lights during playback.

### 4 TONE button

By pressing this to light it, audio from USB mics can be adjusted to sound clearer and suitable for podcasts.

### 5 MUTE 1 button

Press this, lighting it, to mute sound from USB MIC 1.

## 6 AI NOISE REDUCTION button

Press this, lighting it, to analyze the surrounding noise and suppress its input through the USB mics. Be careful not to speak during the analysis (while the button blinks for 3 seconds). Pressing this button to turn it off resets the results of analysis.

After using  and  to change levels, conduct analysis again.

## 7 LEVEL indicators

The signal level of each channel is shown in a range from -36 to 0 dBFS.

	0 dBFS
	-9 dBFS
	-15 dBFS
	-21 dBFS
	-27 dBFS
	-36 dBFS

## 8 INPUT LEVEL 1 knob

Use this to adjust the level of USB MIC 1.

## 9 HEADPHONE VOLUME knob

Use this to adjust the volume output from the headphones.

## 10 COMP button

Press this, lighting it, to increase the sound pressure of the mixed audio while avoiding clipping.

## 11 MUTE 2 button

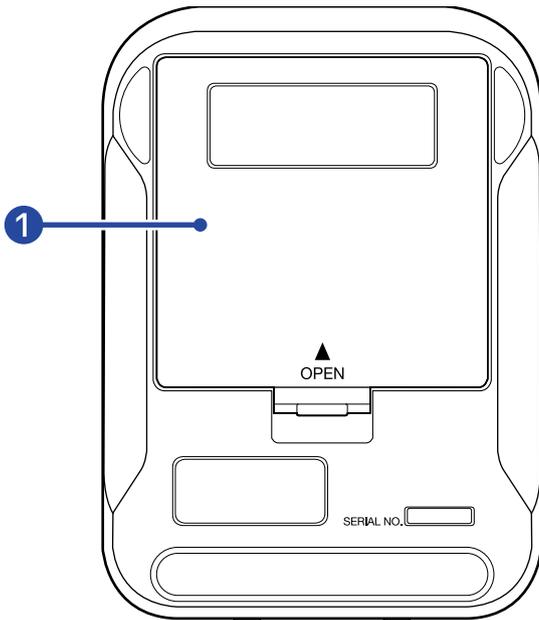
Press this, lighting it, to mute sound from USB MIC 2.

## 12 INPUT LEVEL 2 knob

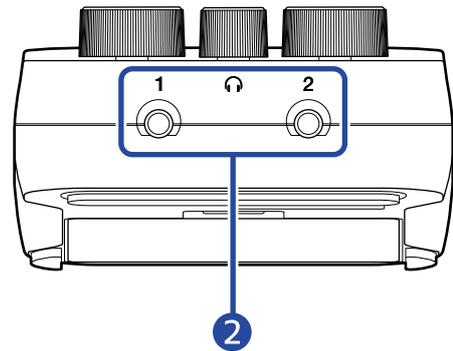
Use this to adjust the level of USB MIC 2.

# Bottom/front/back

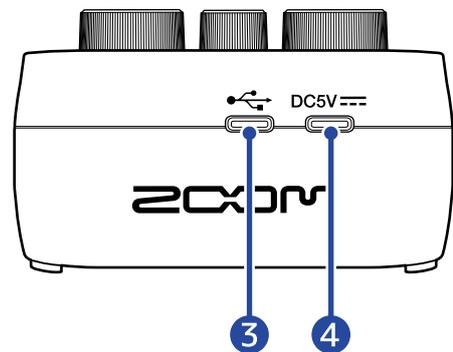
## ■ Bottom



## ■ Front



## ■ Back



### 1 Battery cover

Open this when installing or removing AA batteries. (→ [Installing batteries](#))

### 2 HEADPHONE 1 and 2 jacks

These can output sound to headphones.

### 3 USB ( for data) port (Type-C)

The following operations are possible when connected to a computer, smartphone or tablet.

- Use the ZOOM P2 Editor computer app to make additional P2 settings.
- Use the P2 as an audio interface.
- Use the file transfer function to share files with a computer, smartphone or tablet.

This supports operation with USB bus power.

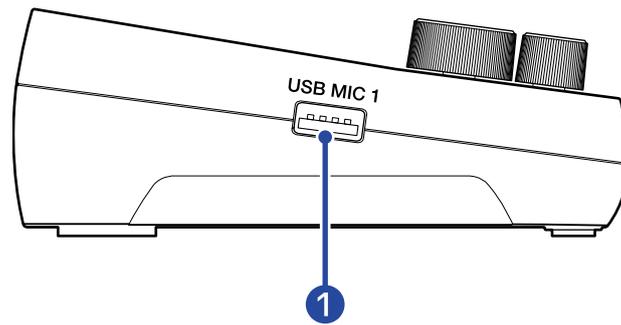
### 4 USB (DC5V) power port (Type-C)

Power can be supplied to the P2 by connecting a USB AC adapter (12 W or higher, 5 V, 2.4 A or higher) or a 5V portable battery here.

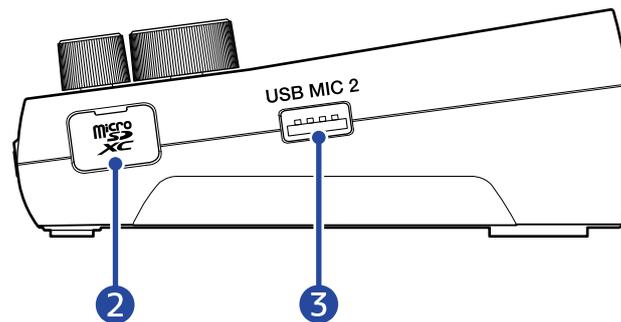
# Left and right sides

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## ■ Left side

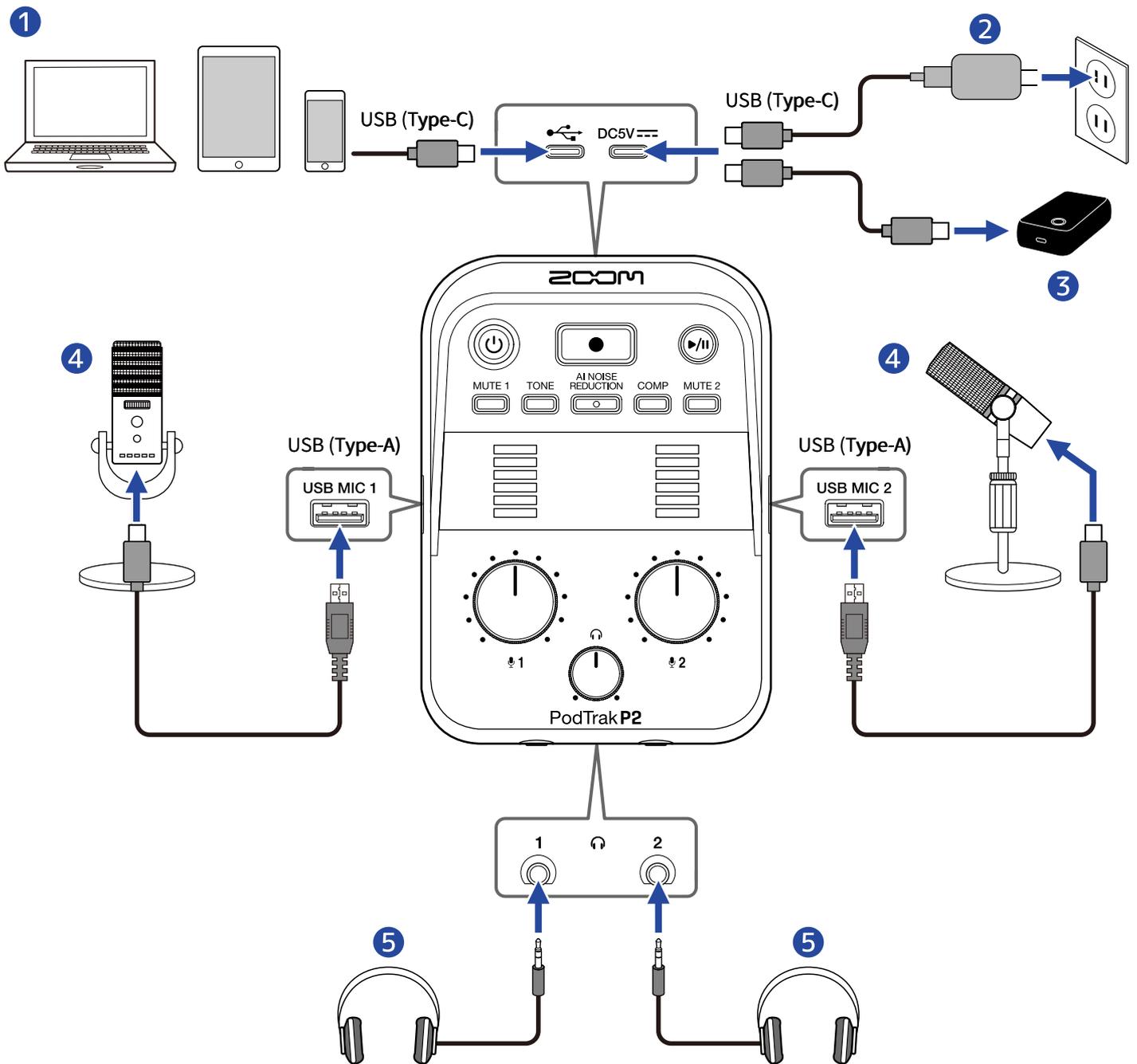


## ■ Right side



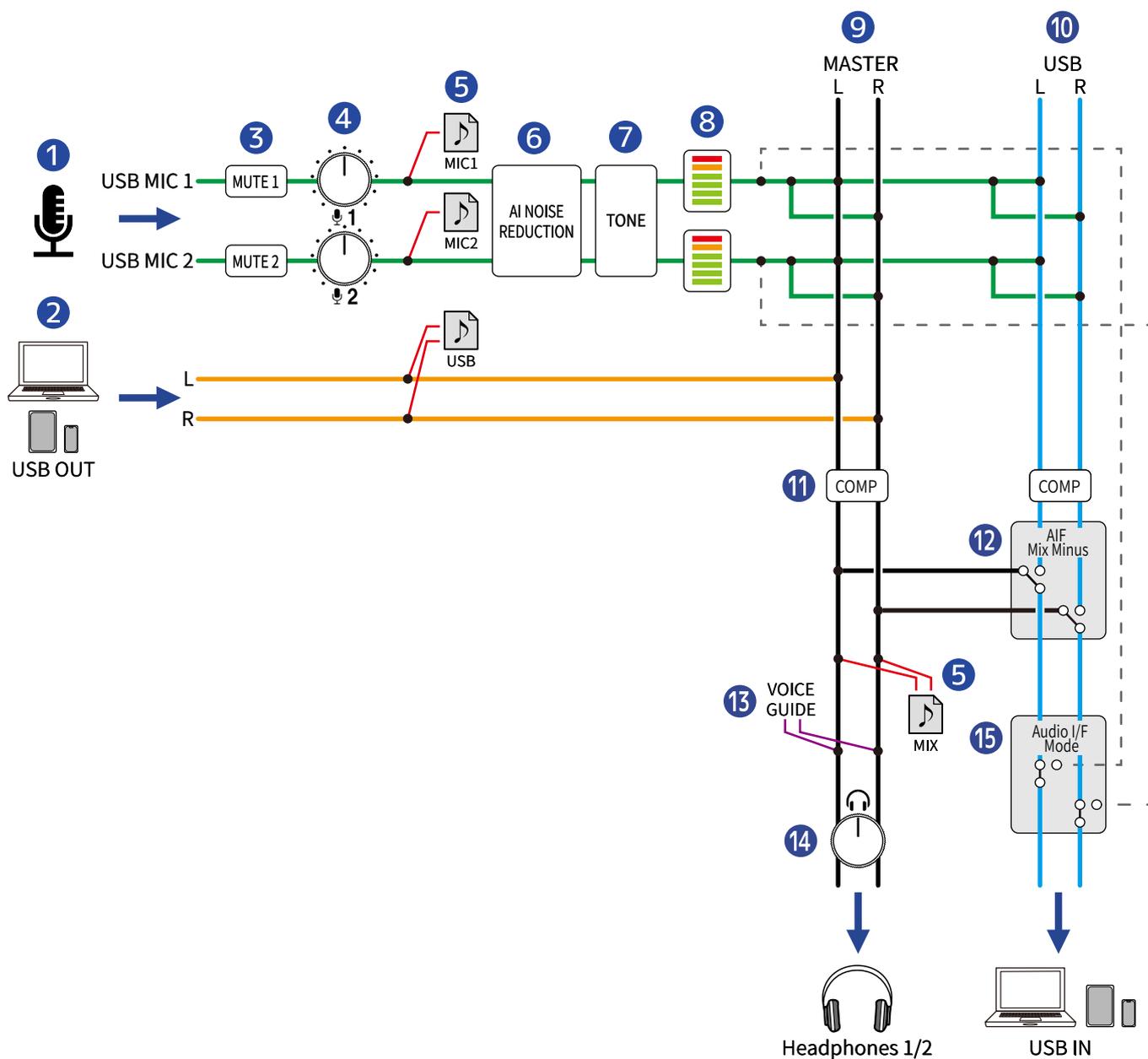
- 1** **USB MIC 1 port (Type-A)**  
Connect a USB mic here.  
This can supply USB bus power.  
Use a USB cable that supports data transfer.
- 2** **microSD card slot**  
Insert a microSD card here.
- 3** **USB MIC 2 port (Type-A)**  
Connect a USB mic here.  
This can supply USB bus power.  
Use a USB cable that supports data transfer.

# Connection example



- 1** Computer, smartphone or tablet (→ [Connecting computers, smartphones and tablets](#))
- 2** USB AC adapter (→ [Connecting a USB AC adapter](#))
- 3** Portable battery (→ [Other power sources](#))
- 4** USB mics (→ [Connecting USB mics](#))
- 5** Headphones (→ [Connecting headphones](#))

# Signal flow



- 1 Input from USB MIC 1/2 (green)  
Input signals from USB mics connected to the P2.
- 2 USB output from computer, smartphone or tablet (blue)  
When in use as an audio interface, these sounds are output from the computer, smartphone or tablet.
- 3 MUTE 1/2  
Sound from USB MIC 1 and 2 can be muted.
- 4 INPUT LEVEL 1/2  
Adjust the USB MIC 1 and 2 levels.

- 5 Recording files (red)**

Sounds from USB Mic 1, USB Mic 2 and the computer, smartphone or tablet are mixed and recorded on the microSD card as a stereo file (MIX).

Depending on the setting, sounds from USB Mic 1 and USB Mic 2 (both mono) and from the computer, smartphone or tablet (stereo) can also be recorded as separate files. (→ [Selecting the type of files recorded](#))
- 6 AI NOISE REDUCTION**

This analyzes the surrounding noise to suppress its input through the USB mics. (→ [Adjusting the sound](#))
- 7 TONE**

This adjusts audio from USB mics so it sounds clearer and suitable for podcasts. (→ [Adjusting the sound](#))
- 8 LEVEL indicators**

The signal levels of USB MIC 1 and 2 are shown in a range from -36 to 0 dBFS.
- 9 MASTER L/R (black)**

This is output from the HEADPHONE 1 and 2 jacks.
- 10 USB L/R (light blue)**

When in use as an audio interface, these sounds are input to the computer, smartphone or tablet.
- 11 COMP**

This increases the sound pressure while avoiding clipping. (→ [Adjusting the sound](#))
- 12 AIF Mix Minus**

Select whether or not playback sounds input from a computer, smartphone or tablet are returned to that device. (→ [Preventing feedback for callers participating remotely in podcast recording \(AIF Mix Minus\)](#))
- 13 VOICE GUIDE**

P2 settings and other information are output by voice.
- 14 HEADPHONE VOLUME**

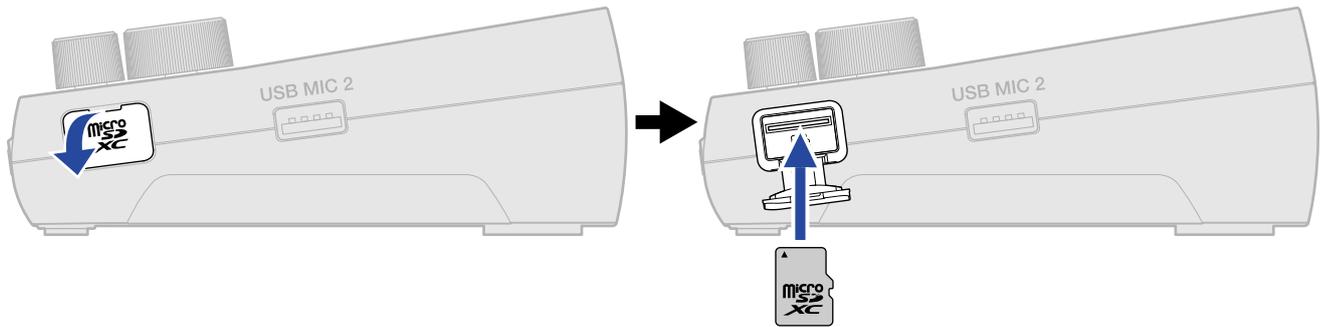
This adjusts the headphone volume.
- 15 AUDIO I/F MODE**

Select the signals sent to the computer, smartphone or tablet. (→ [Setting the types of signals sent to the computer, smartphone or tablet \(Audio I/F Mode\)](#))

# Preparing for use

## Inserting microSD cards

1. When the power is off, open the microSD card slot cover, and insert a microSD card all the way into the slot with its logo facing up.



To remove a microSD card, push it further into the slot and then pull it out.

2. Close the microSD card slot cover.

### NOTE

- Always make certain that the power is off when inserting or removing a microSD card. Inserting or removing a card while the power is on could result in data loss.
- When inserting a microSD card, be sure to insert the correct end with the top side up as shown.
- When removing a microSD card, be careful not to let it fly out.
- Recording and playback are not possible when a microSD card is not loaded.
- Always use the P2 to format microSD cards in order to maximize their performance after purchasing them new or using them with a different device. (→ [Formatting microSD cards](#))
- The following recording media formats are supported.
  - microSDHC memory cards
  - microSDXC memory cards

See the ZOOM website ([zoomcorp.com/help/p2](http://zoomcorp.com/help/p2)) for information about microSD cards that have been confirmed to work with this unit.

# Supplying power

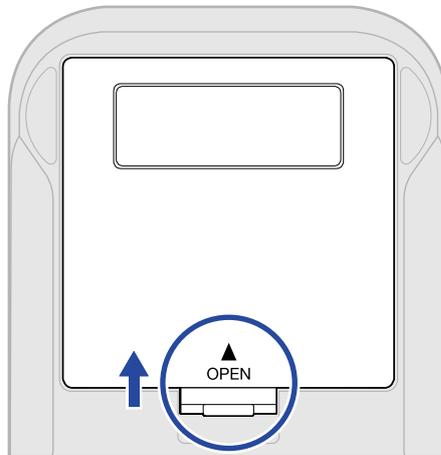
The P2 can be powered by a power supply (USB AC adapter, USB bus power or portable battery) connected to the USB (DC5V) power port or the USB (↔ for data) port on the back, or by installing batteries through the bottom.

Power sources will be used in the following order of priority: USB (DC5V) power port on the back, USB (↔ for data) port on the back, batteries.

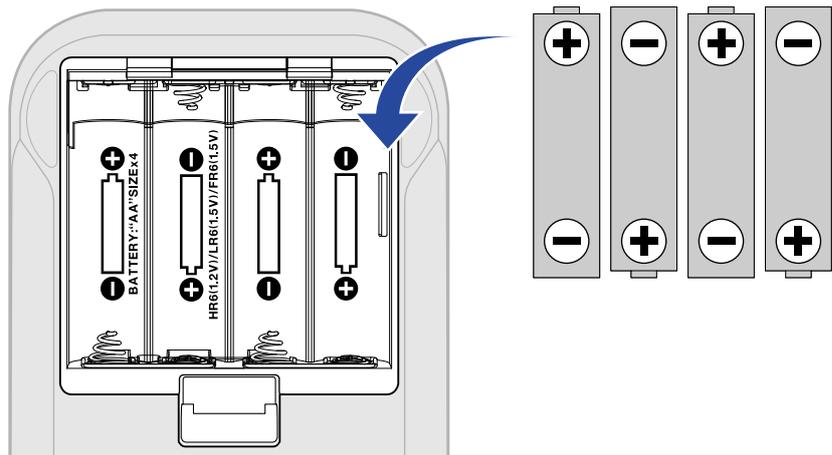
## Installing batteries

To power the P2 with batteries, use 4 AA batteries.

1. With the power off, lift the tab to open the battery cover.



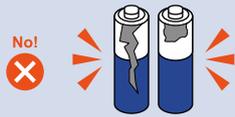
2. Install 4 AA batteries.



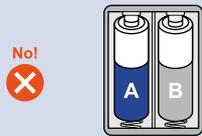
3. Replace the battery cover.

## NOTE

- Use only one type of battery (alkaline, NiMH or lithium) at a time.
- Set the type of battery used so that the amount of remaining battery charge can be shown accurately. (→ [Setting the type of batteries used](#))
- If the batteries run out of charge, turn the power off immediately and install new batteries. The remaining battery charge can be checked with the  (power) button. (→ [TOP](#))
- When using batteries, follow these precautions to prevent malfunction or leakage.



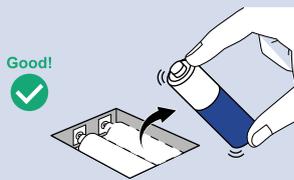
Do not use batteries if their covers are coming off or their exteriors are damaged.



Do not use a mix of batteries of different types or made by different manufacturers.



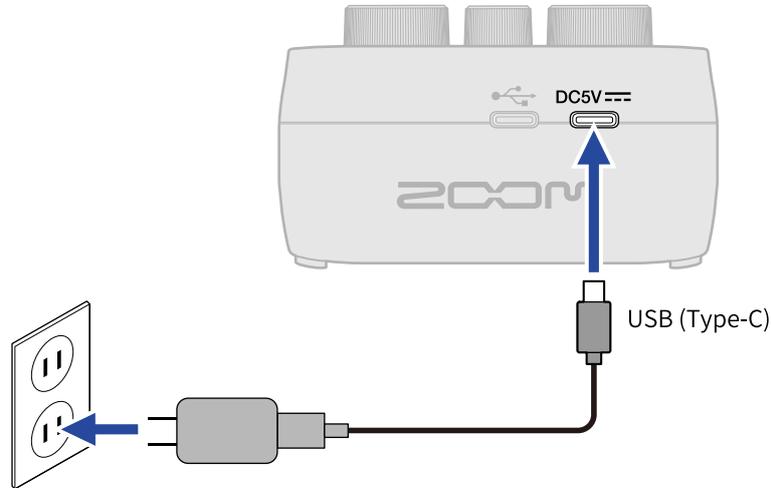
Do not use new and old batteries together.



Remove dead batteries as soon as possible.  
Remove batteries when not using them for a long time.

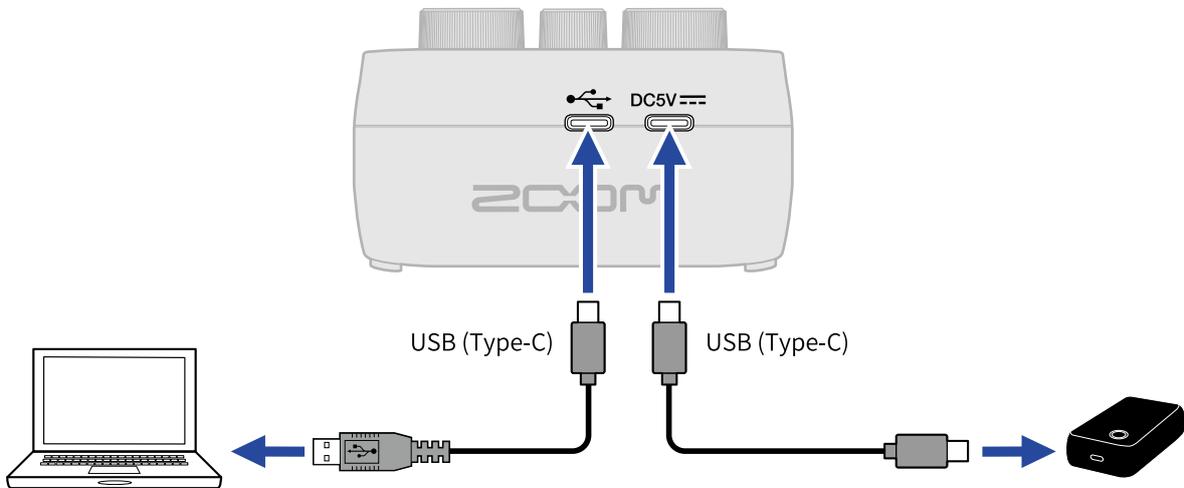
## Connecting a USB AC adapter

Connect the cable of a commercially-available USB AC adapter (12 W or higher, 5 V, 2.4 A or higher) to the USB (DC5V) power port (Type-C) on the back, and connect the USB AC adapter to an outlet.



## Other power sources

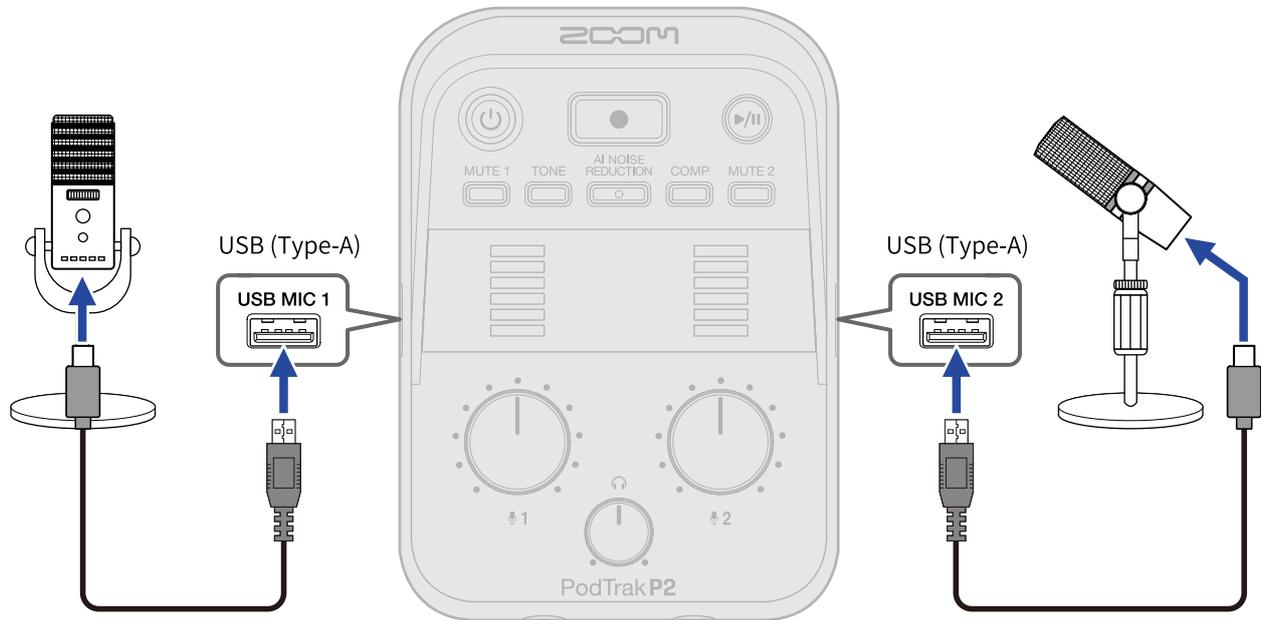
The P2 can be operated using USB bus power by connecting a computer to the USB (↔) for data) port (Type-C) on its back. A 5V portable battery (commercially-available) can also be connected to the USB (DC5V) power port (Type-C) on the back.



# Making connections

## Connecting USB mics

Connect USB mics to the USB ports (Type A).

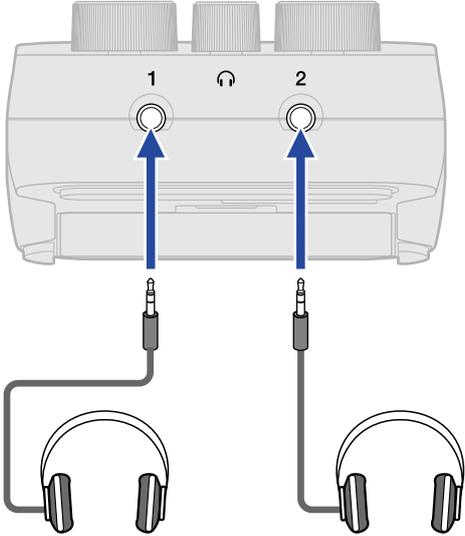


### NOTE

- To protect hearing, connect headphones after connecting USB mics.
- The P2 can supply a maximum combined total of 700 mA current to the USB MIC 1 and 2 ports. Use a separate AC adapter, for example, to supply power to USB mics that consume large amounts of current.
- See the ZOOM website ([zoomcorp.com/help/p2](http://zoomcorp.com/help/p2)) for information about USB mics that have been confirmed to work with this unit.
- Use USB cables that support data transfer.

# Connecting headphones

Voices input through the USB mics, along with voices from calls and music played back from a computer, smartphone or tablet can be monitored through headphones connected to the HEADPHONE jacks.

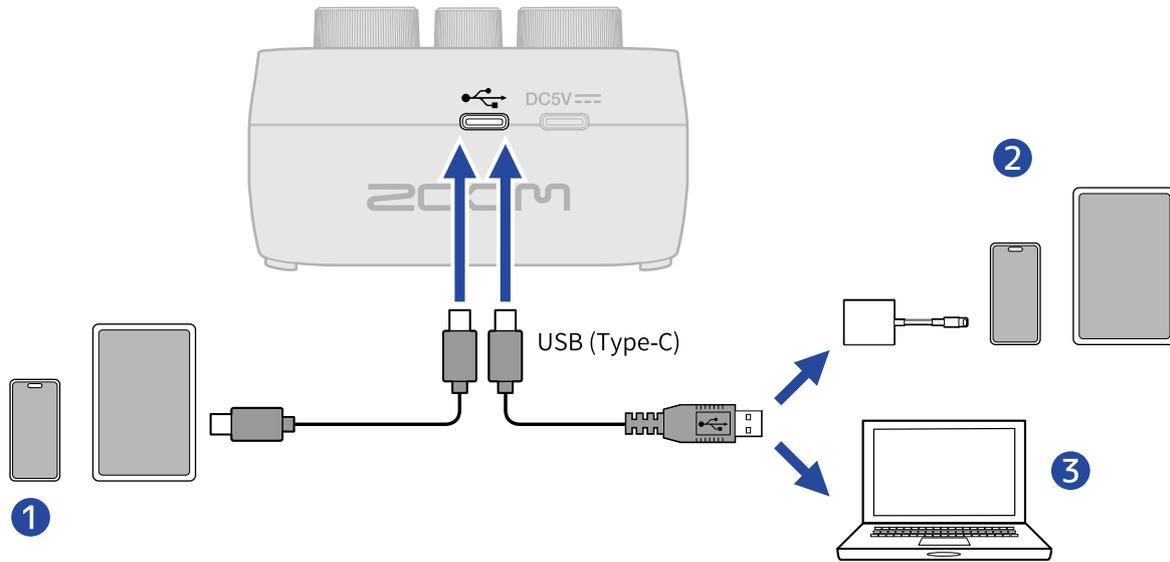


**NOTE**

Be careful because feedback could occur if a USB mic and headphones are too close together.

# Connecting computers, smartphones and tablets

Computers, smartphones and tablets can be connected to the left USB port (↔ for data) on the back of the P2.



- 1 Smartphone/tablet (USB Type-C)
- 2 iPhone/iPad with a lightning connector
- 3 Computer (Windows/Mac)

## NOTE

- Use a USB cable that supports data transfer.
- Use a Lightning to USB 3 Camera Adapter to connect to an iPhone/iPad with a lightning connector.
- When using this with a smartphone or tablet, connect a USB AC adapter to provide power. (→ [Connecting a USB AC adapter](#))

By connecting the P2 to a computer, smartphone or tablet, the following uses are possible.

- Install the ZOOM P2 Editor on a computer and use it to make additional settings. (→ [Using the app](#))
- P2 input sounds can be sent to a computer, smartphone or tablet and playback signals from that device can be output from the P2. (→ [Using as an audio interface](#))
- Files on the microSD card in the P2 can be checked and moved using a computer. (→ [Transferring files to computers](#))

# Turning the power on/off

## Turning on the power

1. Press the  (POWER) button until it lights.

This turns on the P2 power.



### NOTE

The power will automatically turn off if the P2 is unused for 10 hours. To keep the power on at all times, set Auto Power Off to Never. (→ [Turning the power off automatically \(Auto Power Off\)](#))

## Turning off the power

1. Press the  (POWER) button until the LEVEL indicators all become lit and an animation starts.

This turns off the P2 power.

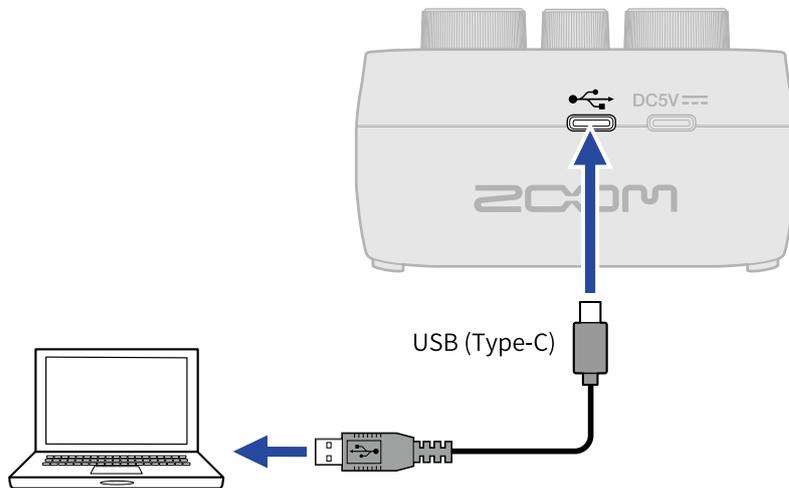
### NOTE

P2 settings are always saved automatically. The state when the power was turned off will be restored (except muting, which will be disabled) the next time the power is turned on.

# Using the app

Install the ZOOM P2 Editor on a computer and use it to initialize settings and make additional settings.

1. Use a USB cable (Type-C) to connect the USB (↔ for data) port on the back of the P2 to the computer.

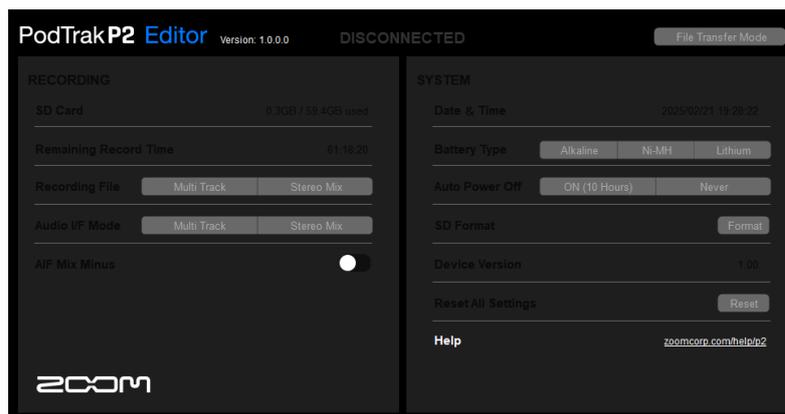


2. Download "ZOOM P2 Editor" from [zoomcorp.com/help/p2](https://zoomcorp.com/help/p2) to the computer.
3. Launch the installer and follow the instructions to install ZOOM P2 Editor.

## NOTE

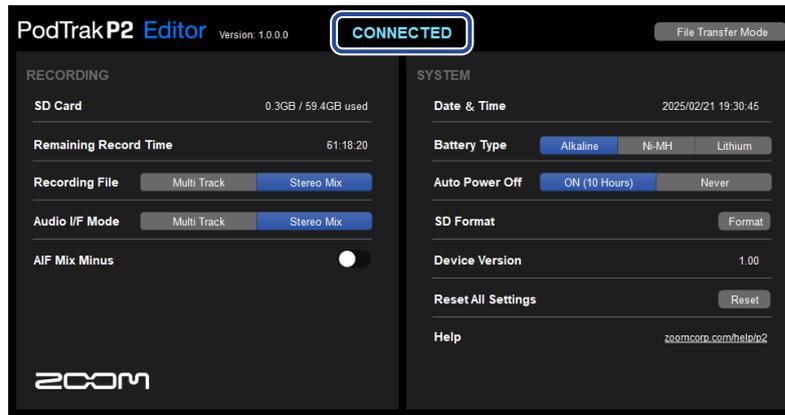
See the app "Installation Guide" for detailed installation procedures.

4. Launch ZOOM P2 Editor.



**5.** Turn on the P2 power. (→ [Turning on the power](#))

Connection is complete when “CONNECTED” lights at the top of the screen, and changing settings becomes possible.

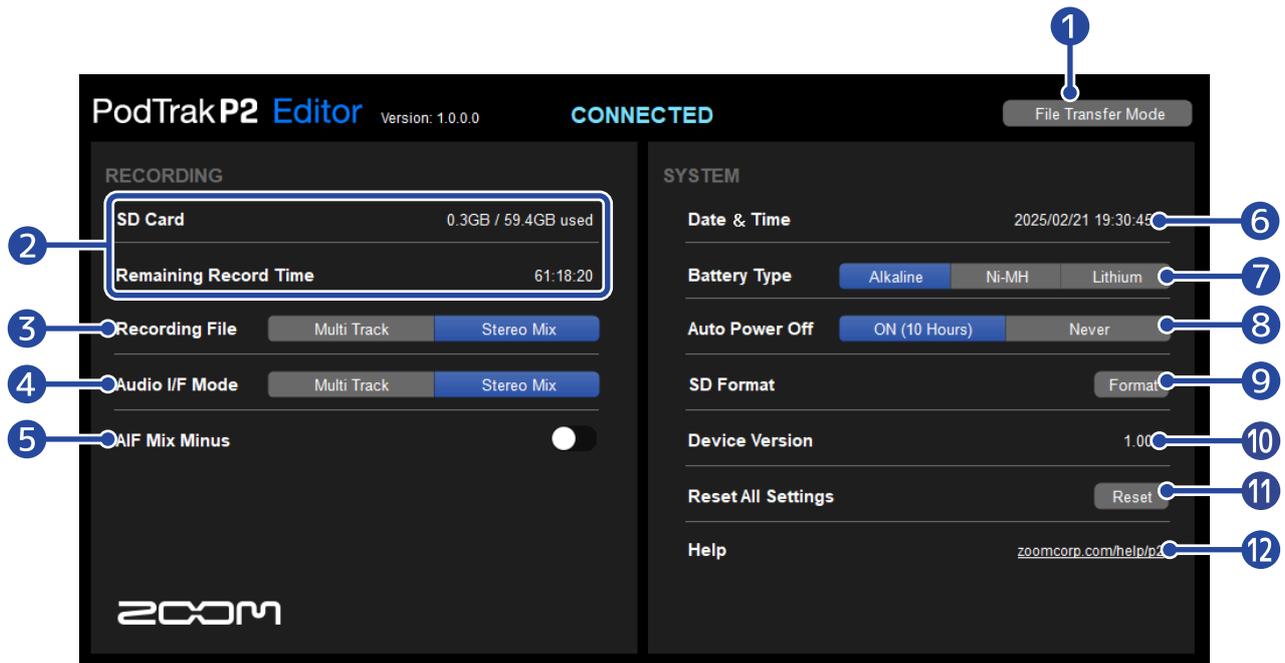


**6.** Use ZOOM P2 Editor to make P2 settings (→ [App screen overview](#))

**7.** Turn off the P2 power.

Press the  (POWER) button until the LEVEL meters all become lit and an animation starts. Changed settings will be saved.

# App screen overview



- 1 File transfer mode (→ [Transferring files to computers](#))**  
Files can be transferred.
- 2 microSD card data (→ [Checking the microSD card state](#))**  
This shows the capacity and open space of the microSD card along with the available recording time.
- 3 Recording file setting (→ [Selecting the type of files recorded](#))**  
This selects the type of files to be recorded.
- 4 Audio I/F Mode setting (→ [Setting the types of signals sent to the computer, smartphone or tablet \(Audio I/F Mode\)](#))**  
Set the signals sent to the computer, smartphone or tablet.
- 5 AIF Mix Minus setting (→ [Preventing feedback for callers participating remotely in podcast recording \(AIF Mix Minus\)](#))**  
By enabling the AIF Mix Minus function, input from the call participant will not be returned to them, preventing feedback on their end.
- 6 Date & Time (→ [Setting the date and time](#))**  
This shows the date and time. (When ZOOM P2 Editor is launched, the date and time for the P2 is acquired from the computer and set automatically.)
- 7 Battery type (→ [Setting the type of batteries used](#))**  
Select the type of batteries being used.
- 8 Auto Power Off (→ [Turning the power off automatically \(Auto Power Off\)](#))**  
The power can be set to turn off automatically if it is not used for the specified amount of time.
- 9 Format the microSD card (→ [Formatting microSD cards](#))**  
This formats the microSD card loaded in the P2.

10 Firmware version (→ [Checking the firmware version](#))

This shows the firmware version.

11 Reset the P2 (→ [Restoring factory default settings](#))

Settings can be restored to their factory defaults.

12 Help (→ [Checking the latest information for the P2](#))

This shows the latest information about the product (on a website).

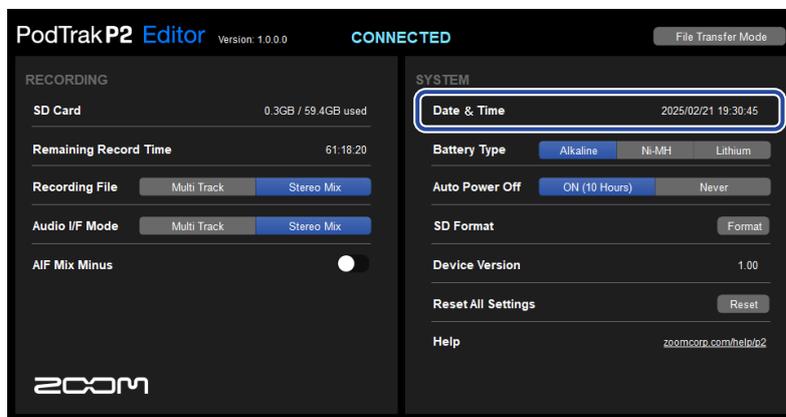
# Setting date and time, battery type and automatic power off (making initial P2 settings before use)

Before use, set the date and time, battery type and automatic power off function.

The date and time will be added to the name of the folder where recording files are saved. Moreover, to enable accurate display of remaining battery charge, the type of batteries used in the P2 must be selected. The power will automatically turn off if the P2 is unused for 10 hours. To keep the power on at all times, set Auto Power Off to Never.

1. Connect the P2 with a computer using a USB cable (Type-C), and launch ZOOM P2 Editor. (→ [Using the app](#))

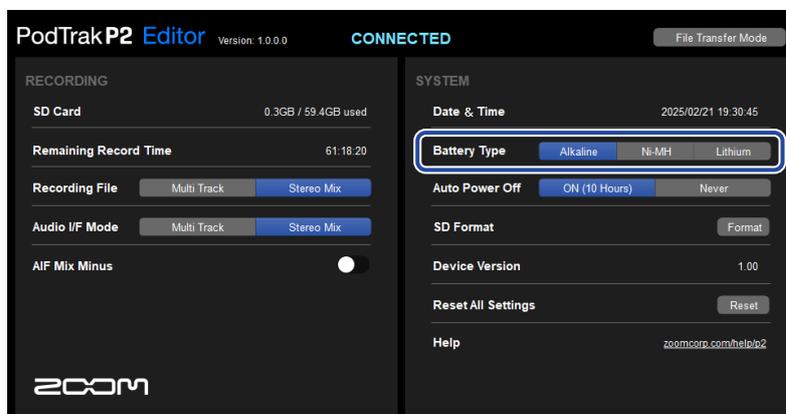
When a P2 connects with ZOOM P2 Editor, the date and time is acquired from the computer and set for the P2 automatically.



## NOTE

If power is not supplied for a long time, the date and time settings stored in the hardware will be reset. If this occurs, connect the P2 with a computer again using a USB cable (Type-C), and launch ZOOM P2 Editor to allow the date and time to be acquired.

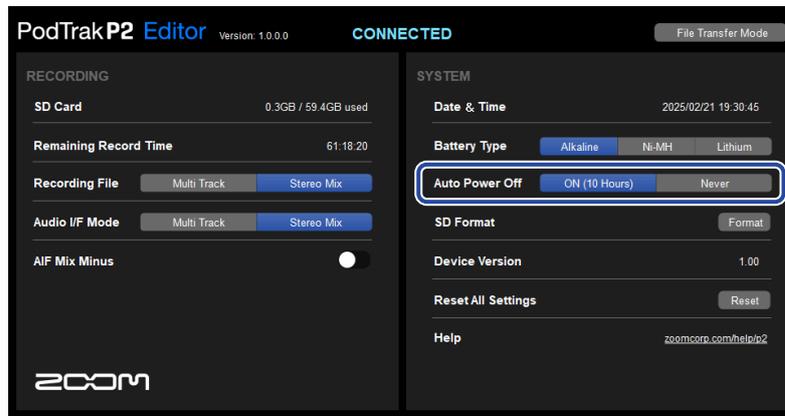
2. For "Battery Type", click the type of batteries to select it.



Setting	Explanation
Alkaline	Alkaline batteries
Ni-MH	Nickel-metal hydride batteries
Lithium	Lithium batteries

3. For “Auto Power Off”, select an automatic power off setting.

Setting	Explanation
ON (10 Hours)	The power will automatically turn off if it is unused for 10 hours.
Never	The power will not turn off automatically.



#### NOTE

- In the following cases, the power will not turn off automatically regardless of the Auto Power Off Setting.
  - When recording or playing back
  - When using the P2 as an audio interface
  - When using the file transfer function
  - When executing a firmware update
- Operating the P2 will reset the time until the Auto Power Off function activates.

#### HINT

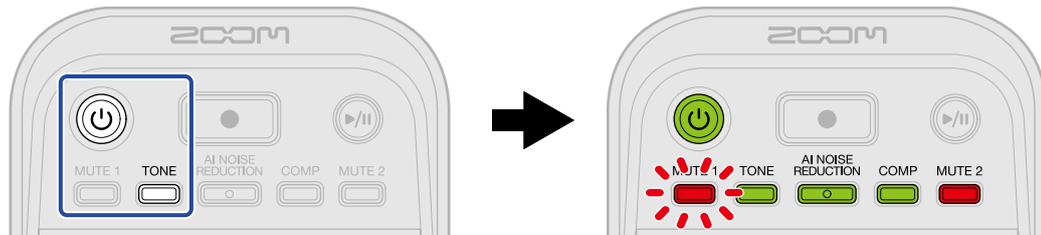
The date and time, battery type and automatic power off settings can be changed without using the app. (→ [Setting date and time, battery type and auto power off without using the app](#))

# Setting date and time, battery type and auto power off without using the app

Initial P2 settings can be made without the app using the P2 itself.

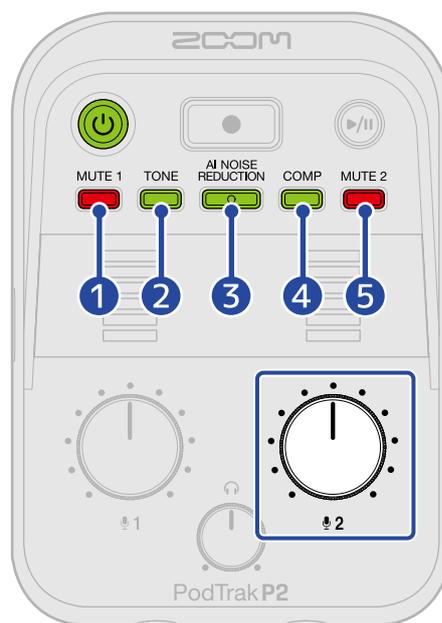
The settings can be confirmed using sound output from the P2. Connect headphones to the HEADPHONE 1 jack on the P2. (→ [Connecting headphones](#))

1. While pressing the  (TONE) button, press the  (POWER) button to turn on the P2 power.



This will start the P2 in date and time setting mode. ("Date time" will be output as audio guidance.)

2. Use the  (MUTE 1),  (TONE),  (AI NOISE REDUCTION),  (COMP) and  (MUTE 2) buttons to select the year, month, day, hour and minute, respectively, and use the  (INPUT LEVEL 2) knob to set them.



When a button is pressed, it will blink and the setting item (year, month, day, hour or minute) and value will be output as audio guidance.

Use the  (INPUT LEVEL 2) knob to set the value. (The setting values will be output as audio guidance.)

## 1 Year

This can be set from 25 to 55. (2025 – 2055)

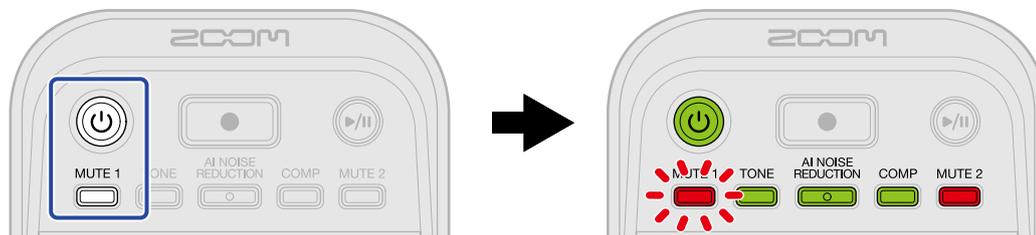
- 2 Month  
This can be set from 1 to 12. (January – December)
- 3 Day  
This can be set from 1 to 31. (1 – 31)
- 4 Hour  
This can be set from 0 to 23. (00:00 – 23:00)
- 5 Minute  
This can be set from 0 to 59. (00:00 – 00:59)

**NOTE**

Press the  (MUTE 1), , ,  (COMP) and  (MUTE 2) buttons to output the current settings for the year, month, day, hour and minute, respectively, as audio guidance.

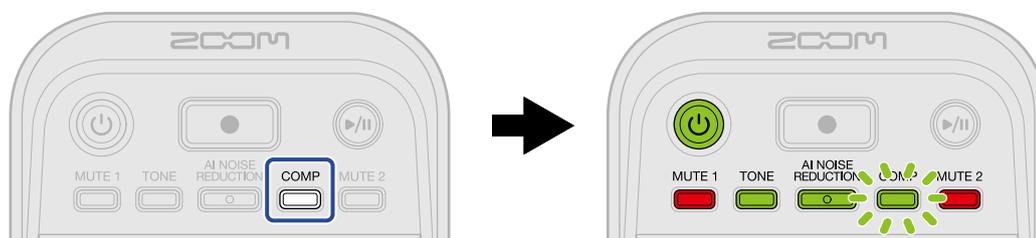
- 3. After setting all items, press the  (POWER) button until the LEVEL indicators all become lit and an animation starts.  
This confirms the date and time settings and turns off the P2 power. Next, set the type of battery being used.

- 4. While pressing the  (MUTE 1) button, press the  (POWER) button to turn on the P2 power.



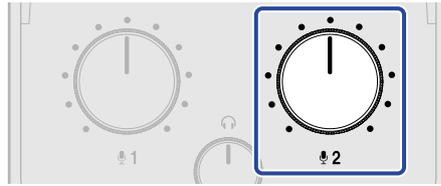
This will start the P2 in setting mode. (“System setting” will be output as audio guidance.)

- 5. Press the  (COMP) button.



The  (COMP) button will blink and battery type setting mode will be enabled. (“Battery type” and the current setting value will be output as audio guidance.)

6. Use the  (INPUT LEVEL 2) knob to set the battery type.



The setting value will be output as audio guidance.

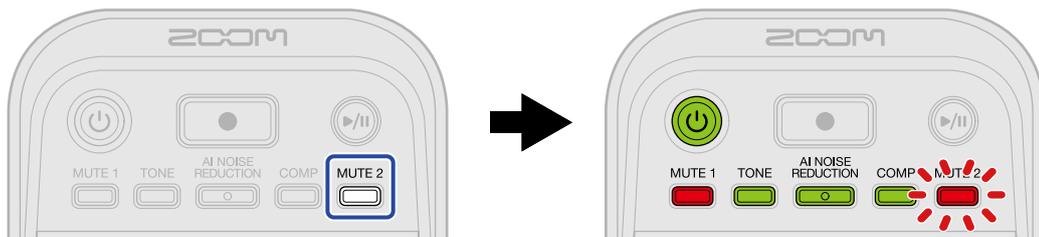
- “Alkaline”: alkaline batteries
- “Ni-MH”: nickel-metal hydride batteries
- “Lithium”: lithium batteries

**NOTE**

Press the  (COMP) button to output the current setting as audio guidance.

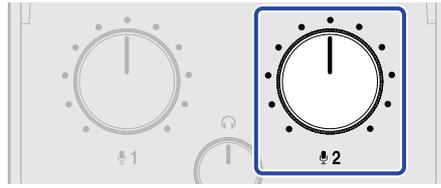
After setting the battery type, set the Auto Power Off function.

7. Press the  (MUTE 2) button.



The  (MUTE 2) button will blink and Auto Power Off setting mode will be enabled. (“Auto power off” and the current setting value will be output as audio guidance.)

8. Use the  (INPUT LEVEL 2) knob to select an automatic power off setting.



The setting value will be output as audio guidance.

- “On”: The power will automatically turn off if it is unused for 10 hours.
- “Off”: The power will not turn off automatically.

**NOTE**

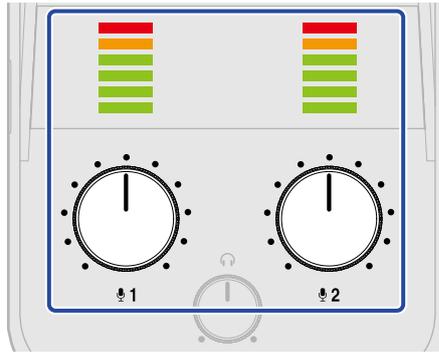
Press the  (MUTE 2) button to output the current setting as audio guidance.

9. Press the  (POWER) button until the LEVEL indicators all become lit and an animation starts. This applies the settings, exits setting mode and turns off the P2 power.

# Recording podcasts

## Adjusting USB mic levels

1. Use the  (INPUT LEVEL 1) and  (INPUT LEVEL 2) knobs to adjust the levels of the USB mics.



-  (INPUT LEVEL 1) knob: Adjust the level of the USB mic connected to the USB MIC 1 jack.
-  (INPUT LEVEL 2) knob: Adjust the level of the USB mic connected to the USB MIC 2 jack.

Input levels can be confirmed with the LEVEL indicators.  
Adjust them so that they do not light red.

### NOTE

- Disable mute functions on the USB mics.
- The amount the level changes when the  (INPUT LEVEL 1) /  (INPUT LEVEL 2) knob is turned depends on the USB mic.

## Adjusting the monitoring level

Stereo audio that is a mix of the USB mic 1/2 signals (centered panning) and sound (stereo) input from the computer, smartphone or tablet can be monitored using headphones connected to the HEADPHONE 1/2 jacks. (→ [Connecting headphones](#))

1. Use the  (HEADPHONE VOLUME) knob to adjust the monitoring volume.

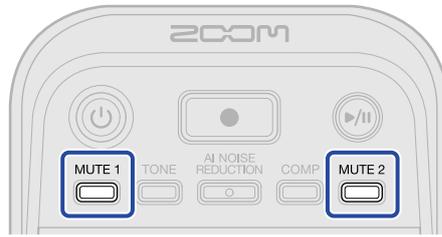


### NOTE

The same volume is output from both the HEADPHONE 1 and 2 jacks.

# Muting USB mics

1. Press the  (MUTE 1) or  (MUTE 2) button to light it.



Muting is on when lit.

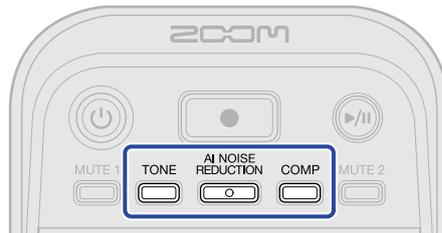
-  (MUTE 1) button: This mutes USB Mic 1.
-  (MUTE 2) button: This mutes USB Mic 2.

Press the  (MUTE 1) or  (MUTE 2) button when lit to unmute it.

# Adjusting the sound

Voices captured by USB mics can be made clearer, background sounds and other noises can be reduced, and output sound pressure can be increased while avoiding clipping.

1. Press the  (TONE),  (AI NOISE REDUCTION) and  (COMP) buttons to light them.



They are on when lit.

-  (TONE) button: This adjusts audio from USB mics so it sounds clearer and suitable for podcasts.
-  (AI NOISE REDUCTION) button: This analyzes the surrounding noise and suppress its input through the USB mics. Be careful not to speak during the analysis (while the button blinks for 3 seconds).

Pressing this button to turn it off resets the results of analysis.

After using  and  to change levels, conduct analysis again.

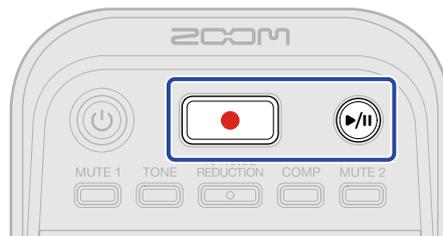
-  (COMP) button: This increases the sound pressure while avoiding clipping.

# Recording

Sound from USB Mic 1, USB Mic 2 and a computer, smartphone or tablet can be recorded to a microSD card loaded in the P2.

## NOTE

- Recorded files are saved in the following format
  - Sample rate: 48 kHz
  - Bit depth: 24-bit
- The Recording File setting can be used to select what files are recorded and saved. (→ [Selecting the type of files recorded](#))
  - Sound from USB Mic 1, USB Mic 2 and a computer, smartphone or tablet can be recorded and saved separately.
  - Sound from USB Mic 1, USB Mic 2 and a computer, smartphone or tablet can be mixed and saved as a stereo file.
- For details about recorded files, see [“Managing files”](#).



**1.** Press the  (RECORD) button.

The  (RECORD) button will light red and recording will start.

## NOTE

- If a microSD card has not been installed, no USB mic is connected or file transfer mode is active (→ [Transferring files to computers](#)), the  (RECORD) button will blink and recording will not be possible.
- The P2 power cannot be turned off during recording.

2. To stop, press the  (RECORD) button.

Recording will stop and the  (RECORD) button will become unlit.

Pressing the  (PLAY/PAUSE) button during recording will pause recording (the  (RECORD) button will blink red). Press the  (PLAY/PAUSE) button again to resume recording.

#### NOTE

- If a file size exceeds 2 GB during recording, a new file will be created automatically and recording will continue without pause. No gap in sound will occur between the two files when this happens.
- In the following cases, recording will stop automatically,  will blink and the P2 power will turn off.
  - When the microSD card runs out of space
  - When the batteries run out of power

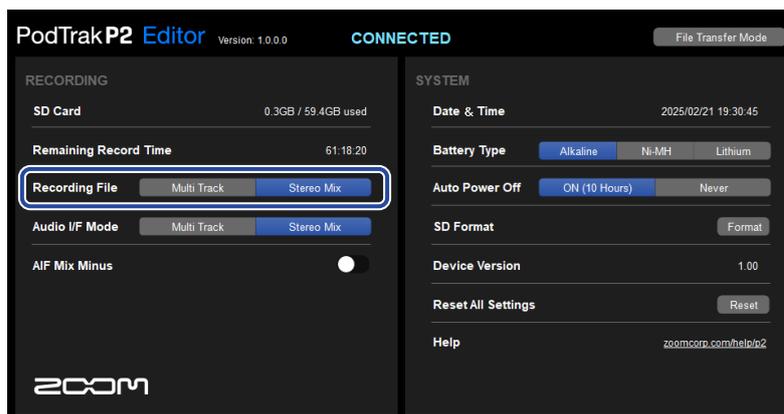
#### HINT

Files are automatically saved at regular intervals during recording. Even if the power is interrupted or another problem occurs during recording, an affected file will be restored to normal when the P2 power is turned on and the microSD card is recognized.

# Selecting the type of files recorded

The files saved when recording can be selected.

1. Connect the P2 with a computer using a USB cable (Type-C), and launch ZOOM P2 Editor on the computer. (→ [Using the app](#))
2. Click a recording file setting for “Recording File”.



Setting	Explanation
Multi Track	Sounds from USB Mic 1 and USB Mic 2 (both mono) and from a computer, smartphone or tablet (stereo) will be saved as separate recording files. TONE, AI NOISE REDUCTION and COMP are not applied to recording. They are only applied to the sound monitored from the P2 and the sound sent to the computer, smartphone or tablet. (→ <a href="#">Adjusting the sound</a> ) We recommend this setting for mixing in a DAW or other app afterward.
Stereo Mix	Sounds from USB Mic 1, USB Mic 2 and a computer, smartphone or tablet are mixed and saved as a stereo file.

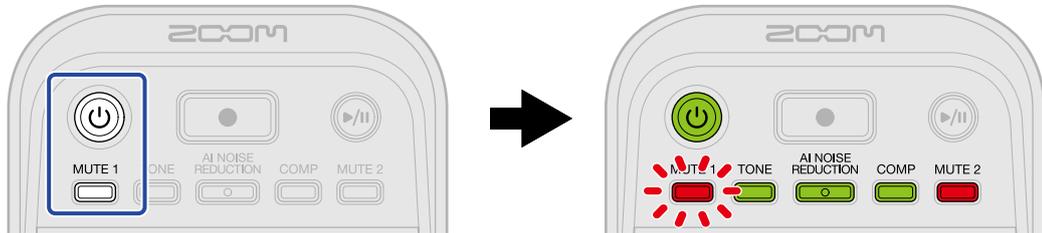
## NOTE

For details about recorded files, see [“Managing files”](#).

# Setting the recording file type without using the app

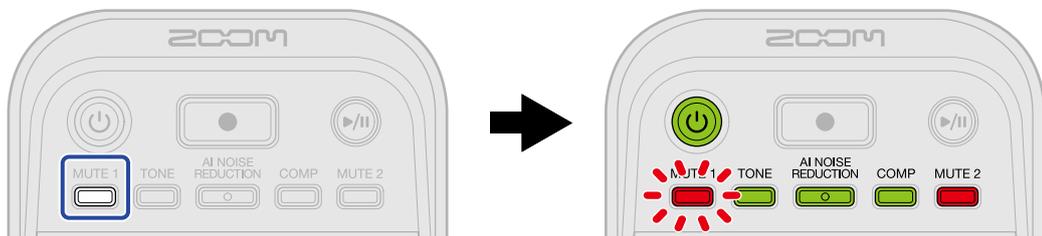
The setting can be confirmed using sound output from the P2. Connect headphones to the HEADPHONE 1 jack on the P2. (→ [Connecting headphones](#))

1. While pressing the  (MUTE 1) button, press the  (POWER) button to turn on the P2 power.



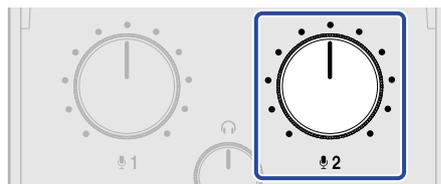
This will start the P2 in setting mode. (“System setting” will be output as audio guidance.)

2. Press the  (MUTE 1) button.



The  (MUTE 1) button will blink and Recording File setting mode will be enabled. (“Recording File” and the current setting value will be output as audio guidance.)

3. Use the  (INPUT LEVEL 2) knob to select the Recording File setting.



The setting value will be output as audio guidance.

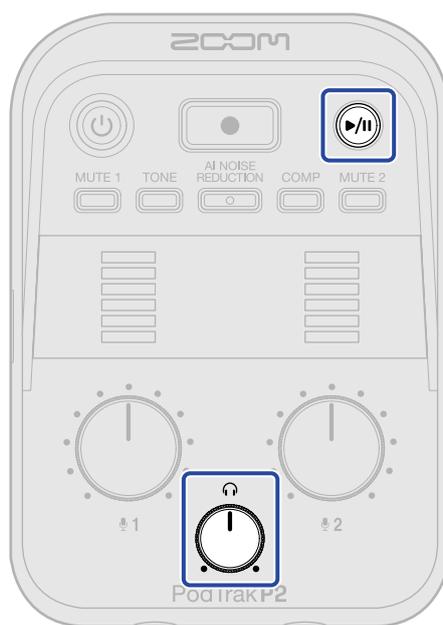
- “Multi Track”: Sounds from USB Mic 1 and USB Mic 2 (both mono) and from a computer, smartphone or tablet (stereo) will be saved as separate recording files.
- “Stereo Mix”: Sounds from USB Mic 1, USB Mic 2 and a computer, smartphone or tablet will be mixed and saved as a stereo file.

## NOTE

Press the  (MUTE 1) button to output the current setting as audio guidance.

4. Press the  (POWER) button until the LEVEL indicators all become lit and an animation starts. This applies the settings, exits setting mode and turns off the P2 power.

# Playing recordings



**1.** Press the  (PLAY/PAUSE) button.

The  (PLAY/PAUSE) button will light green, and playback of the most recently recorded file will start.

Use the  (HEADPHONE VOLUME) knob to adjust the headphone volume.

## NOTE

- If the “Recording File” setting is “Multi Track”, all recorded files will be played back simultaneously. (→ [Selecting the type of files recorded](#))
- Input from the USB mics will be muted during playback.

**2.** Press the  (PLAY/PAUSE) button.

The  (PLAY/PAUSE) button will become unlit and playback will pause. Press this again to resume playback.

## HINT

Press and hold the  (PLAY/PAUSE) button to stop playback.

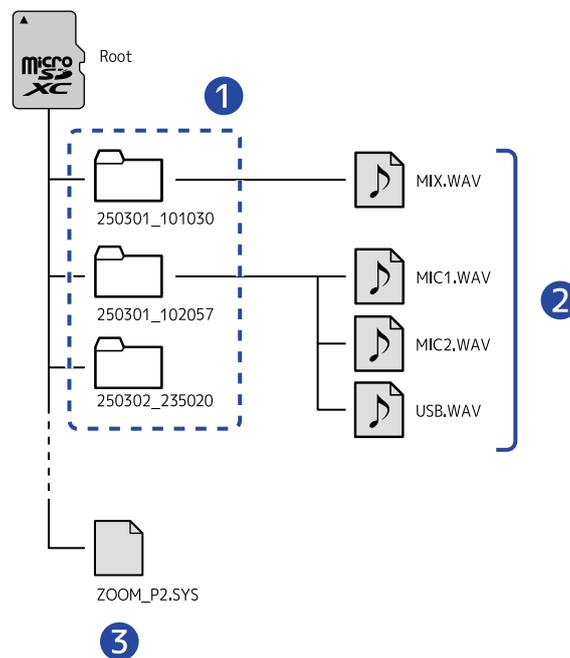
# Managing files

Files created by the P2 are saved on the microSD card.

Recording files on the microSD card can be checked and deleted.

## P2 folder and file structure

The following types of folders and files are created when recording with a microSD card that was formatted by the P2.



### 1 Recording file folders

These are created every time recording occurs. These file folders are named with a “date\_time” format. The mono/stereo files created are saved in these.

### 2 Recording files

See “[Naming of recording file folders](#)” for details about recording file names.

The files recorded depend on the “Recording File” setting. (→ [Selecting the type of files recorded](#))

#### ■ When the “Recording File” setting is “Stereo Mix”

MIX.WAV: Recordings of mixes of the inputs from MIC 1, MIC 2 and the computer, smartphone or tablet are saved as stereo files.

#### ■ When the “Recording File” setting is “Multi Track”

- MIC1.WAV: Recordings from the MIC 1 input are saved as mono files.
- MIC2.WAV: Recordings from the MIC 2 input are saved as mono files.

- USB.WAV: Recordings of the input from the computer, smartphone or tablet are saved as stereo files.

### 3 System file

This is a system file used by the P2. Do not delete it.

#### NOTE

If the "Recording File" setting is "Multi Track", files will only be created for tracks that have USB mics connected. (→ [Selecting the type of files recorded](#))

## Naming of recording file folders

Numerical dates and times of recording are used for the names of recording file folders.

Folder name example	Explanation
<p style="text-align: center;">250301_101030</p> <div style="display: flex; justify-content: center; gap: 20px;"> <div style="text-align: center;"> <u>1</u> 1         </div> <div style="text-align: center;"> <u>2</u> 2         </div> </div>	<ul style="list-style-type: none"> <li>1 Date The date of recording is used in YYYYMMDD format.</li> <li>2 Time The time of recording is used in HHMMSS format.</li> </ul>

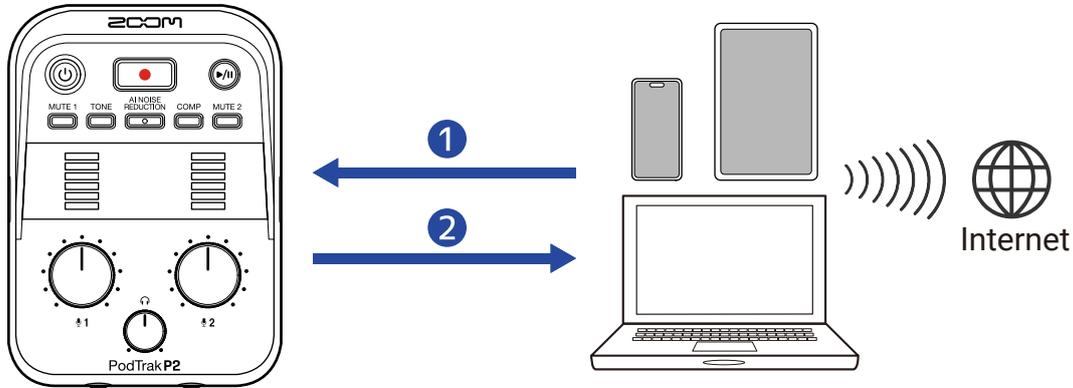
#### NOTE

If the file size would exceed 2 GB, a new file will be created automatically and recording will continue without pause. New files created in such cases will have a number like "(01)" added to the ends of their names.

# Using as an audio interface

The P2 can be used as a 2-in/2-out audio interface.

Using audio interface functions makes the following possible.



## 1 Inputting sound to the P2

Sound from calls as well as music played back on a computer smartphone or tablet can be output from the P2.

## 2 Real-time streaming

Sound input from USB mics to the P2 along with signals played back from the computer, smartphone or tablet can be sent back to that device and streamed in real time when connected to the Internet.

### NOTE

To send signals played back from the computer, smartphone or tablet back to that device, turn off the AIF Mix Minus setting. (This setting is on by default (→ [Preventing feedback for callers participating remotely in podcast recording \(AIF Mix Minus\)](#)).

# Connecting to computers, smartphones and tablets

1. Use a USB cable (Type-C) to connect the P2 with a computer, smartphone or tablet. (→ [Connecting computers, smartphones and tablets](#))
2. Launch an application on the computer, smartphone or tablet and select the P2 as the “Audio” or “Input/Output” device.  
“ZOOM P2” will be shown on a computer.

## NOTE

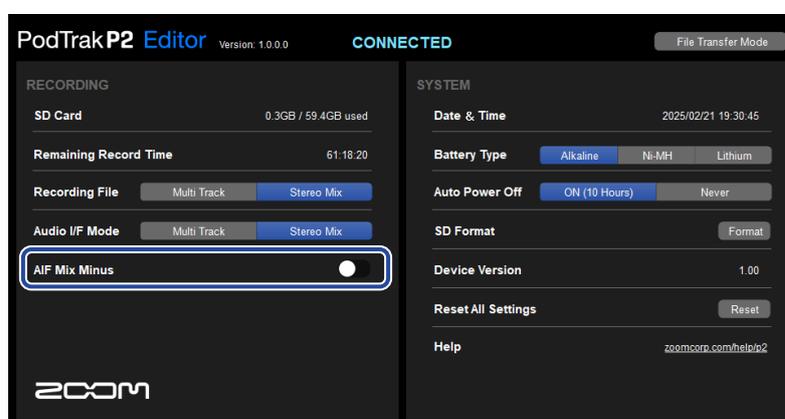
- The audio sample rate is 48 kHz when used as an audio interface.
- See the operation manuals of applications for information about their operation.
- When using this with a smartphone or tablet, connect a USB AC adapter to provide power. (→ [Connecting a USB AC adapter](#))

# Preventing feedback for callers participating remotely in podcast recording (AIF Mix Minus)

Along with sound input from USB mics to the P2, voices on calls and signals played back from the computer, smartphone or tablet are sent back to that device.

If a guest is participating remotely in podcast recording, sending their voice back to them can be stopped to prevent feedback.

1. Connect the P2 with a computer using a USB cable (Type-C), and launch ZOOM P2 Editor. (→ [Using the app](#))
2. Click  next to “AIF Mix Minus”.



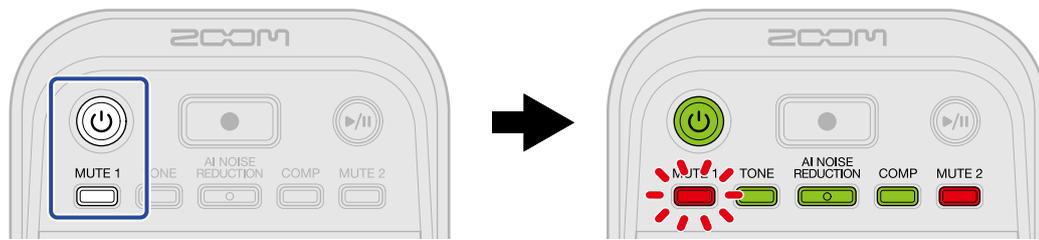
Clicking this toggles it on and off.

Setting	Explanation
On: 	Signals input from the computer, smartphone or tablet are not returned to that device. (Only signals input from USB mics 1 and 2 are sent to the computer, smartphone or tablet.)
Off: 	Signals input from the computer, smartphone or tablet are returned to that device. Background music can be added to podcasts by outputting music and other sound played back on a computer, smartphone or tablet.

## Setting AIF Mix Minus without using the app

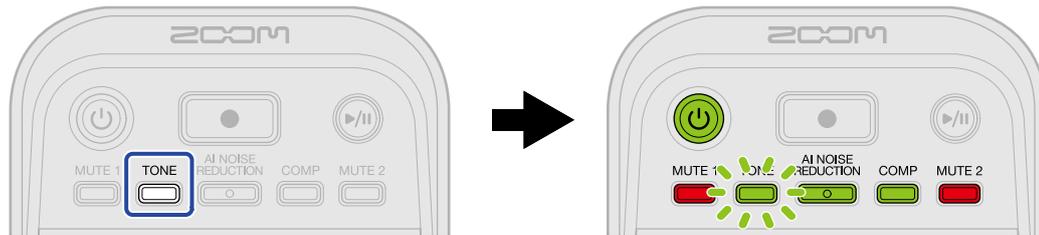
The setting can be confirmed using sound output from the P2. Connect headphones to the HEADPHONE 1 jack on the P2. (→ [Connecting headphones](#))

1. While pressing the  (MUTE 1) button, press the  (POWER) button to turn on the P2 power. This will start the P2 in setting mode. (“System setting” will be output as audio guidance.)

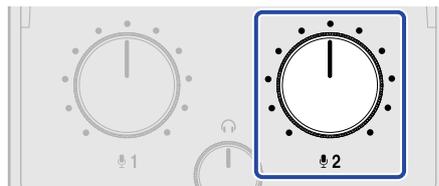


2. Press the  (TONE) button.

The  (TONE) button will blink and AIF Mix Minus setting mode will be enabled. (“Audio interface mix minus” and the current setting value will be output as audio guidance.)



3. Use the  (INPUT LEVEL 2) knob to select the AIF Mix Minus setting.



The setting value will be output as audio guidance.

- Off: Signals input from the computer, smartphone or tablet are returned to that device.
- On: Signals input from the computer, smartphone or tablet are not returned to that device. (Only signals input from USB mics 1 and 2 are sent to the computer, smartphone or tablet.)

**NOTE**

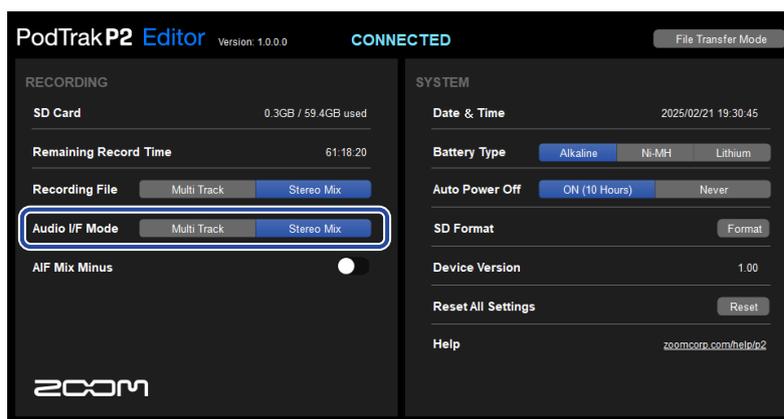
Press the  (TONE) button to output the current setting as audio guidance.

4. Press the  (POWER) button until the LEVEL indicators all become lit and an animation starts. This applies the settings, exits setting mode and turns off the P2 power.

# Setting the types of signals sent to the computer, smartphone or tablet (Audio I/F Mode)

Set the signals sent to the computer, smartphone or tablet.

1. Connect the P2 with a computer using a USB cable (Type-C), and launch ZOOM P2 Editor. (→ [Using the app](#))
2. For “Audio I/F Mode”, click the signal type to select it.

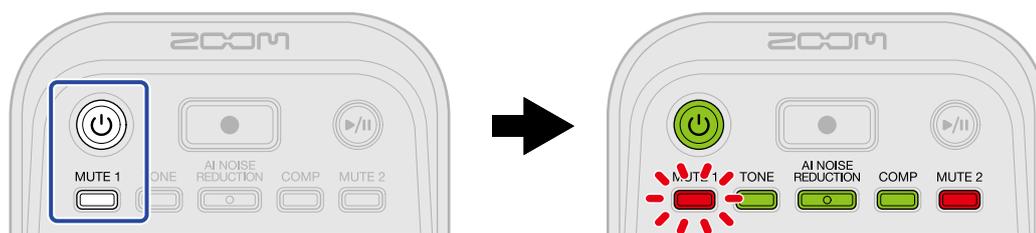


Setting	Explanation
Stereo Mix	The P2 will send a stereo mix of the audio. Since a mix of the sound from USB mics 1 and 2 will be sent to USB L/R, this is optimal for streaming audio over the Internet.
Multi Track	The sound from USB Mic 1 and USB Mic 2 will be sent separately to USB L and USB R, respectively. This is optimal for editing in a DAW or other app afterward.

## Setting the Audio I/F Mode without using the app

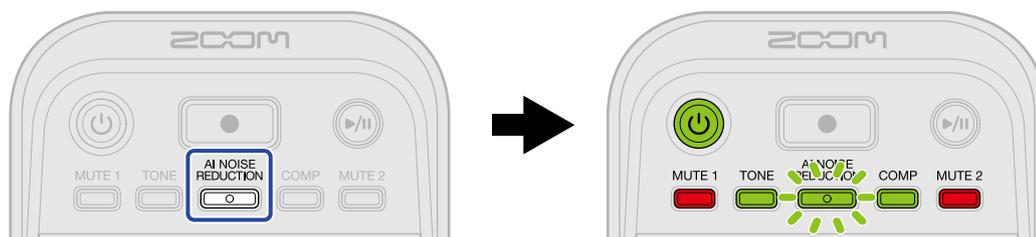
The setting can be confirmed using sound output from the P2. Connect headphones to the HEADPHONE 1 jack on the P2. (→ [Connecting headphones](#))

1. While pressing the  (MUTE 1) button, press the  (POWER) button to turn on the P2 power.  
This will start the P2 in setting mode. (“System setting” will be output as audio guidance.)

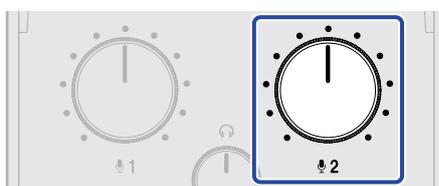


2. Press the  (AI NOISE REDUCTION) button.

The  (AI NOISE REDUCTION) button will blink and Audio I/F Mode setting mode will be enabled. (“Audio interface mode” and the current setting value will be output as audio guidance.)



3. Use the  (INPUT LEVEL 2) knob to select the Audio I/F Mode setting.



The setting value will be output as audio guidance.

- “Stereo Mix”: The P2 will send a stereo mix of the audio.
- “Multi Track”: Signals from USB MIC 1 and 2 will be sent separately.

#### NOTE

Press the  (AI NOISE REDUCTION) button to output the current setting as audio guidance.

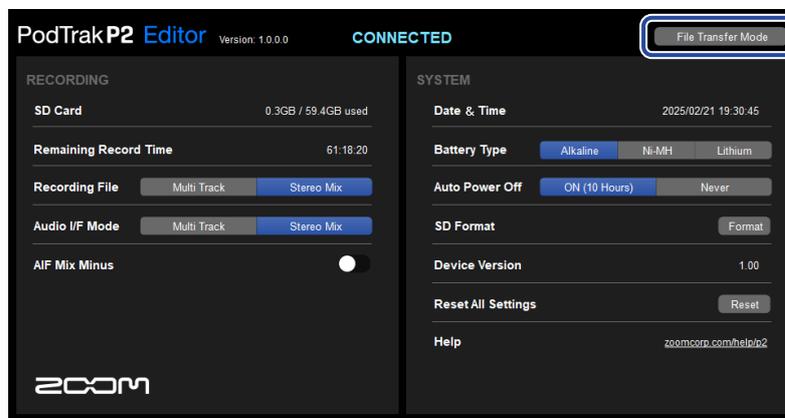
4. Press the  (POWER) button until the LEVEL indicators all become lit and an animation starts. This applies the settings, exits setting mode and turns off the P2 power.

# Transferring files to computers

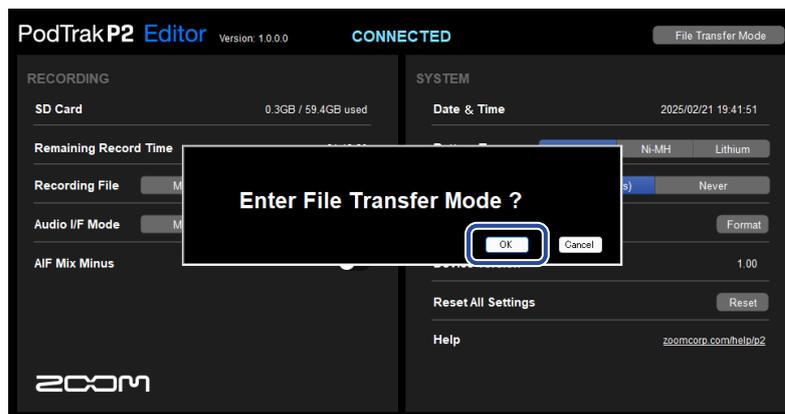
By connecting the P2 to a computer, files on the microSD card can be checked and moved.

## Connecting with a computer

1. Connect the P2 with a computer using a USB cable (Type-C), and launch ZOOM P2 Editor. (→ [Using the app](#))
2. Click “File Transfer Mode”.



3. Click “OK”.



This puts the P2 into file transfer mode.

Click “Cancel” to cancel connection with the computer.

### NOTE

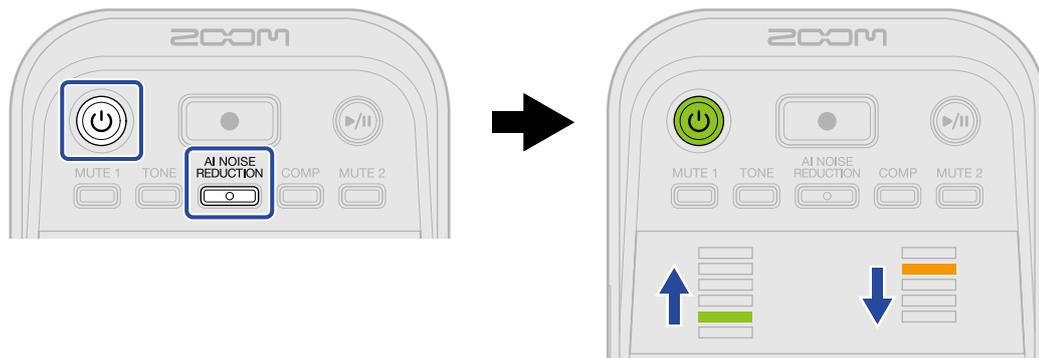
When in file transfer mode, operation using “ZOOM P2 Editor” is not possible.

4. Use the computer to work with the files saved on the microSD card.

## Connecting to a computer without using the app

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1. Use a USB (Type-C) cable to connect the P2 and the computer.
2. While pressing the  (AI NOISE REDUCTION) button, press the  (POWER) button to turn on the P2 power.  
This connects the P2 to the computer.  
When connected to a computer, the  (POWER) button and LEVEL indicators will light and become animated as shown below.



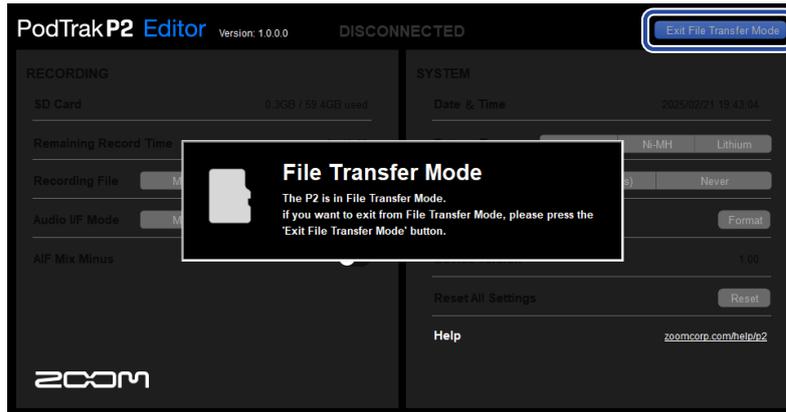
3. Use the computer to work with the files saved on the microSD card.

# Disconnecting from a computer

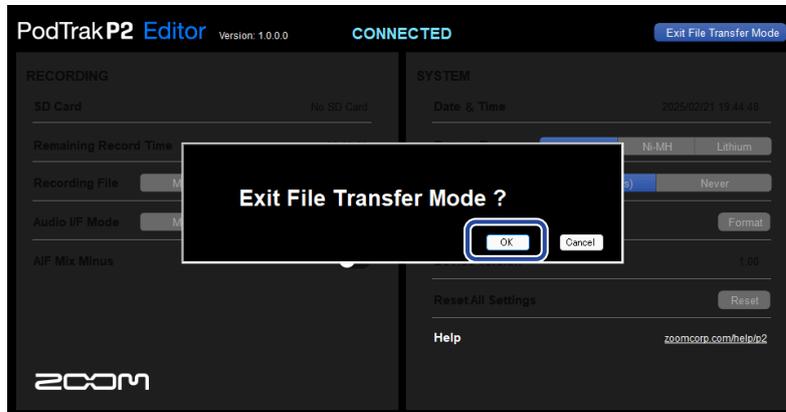
## 1. Disconnect on the computer.

- Windows:  
Select the P2 from "Safely Remove Hardware".
- macOS:  
Drag the P2 icon to the Trash and drop it.

## 2. Click "Exit File Transfer Mode".



## 3. Click "OK".



The ZOOM P2 Editor will return to normal.  
Click "Cancel" to cancel connection with the computer.

## Disconnecting from a computer without using the app

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### 1. Disconnect on the computer.

- Windows:  
Select the P2 from "Safely Remove Hardware".
- macOS:  
Drag the P2 icon to the Trash and drop it.

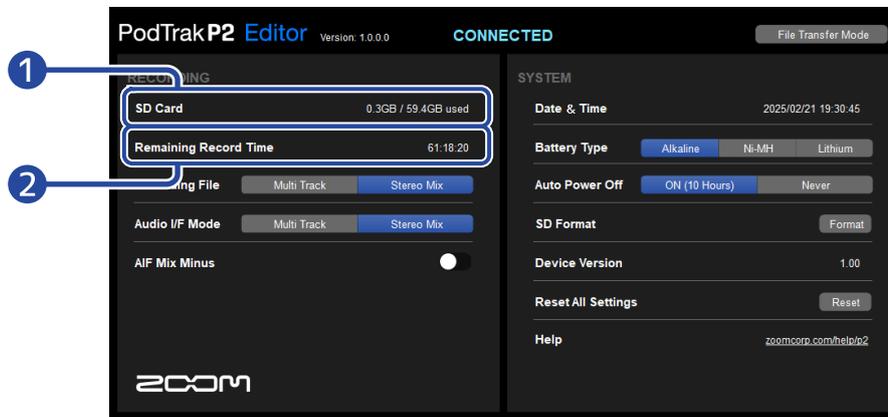
### 2. Press the (POWER) button until the LEVEL indicators all become lit and an animation starts. After disconnecting from the computer, the P2 power turns off.

# Managing microSD cards

## Checking the microSD card state

The capacity and open space of the microSD card loaded in the P2 along with the available recording time can be checked.

1. Connect the P2 with a computer using a USB cable (Type-C), and launch ZOOM P2 Editor. (→ [Using the app](#))
2. Check the state of the microSD card on the ZOOM P2 Editor screen.

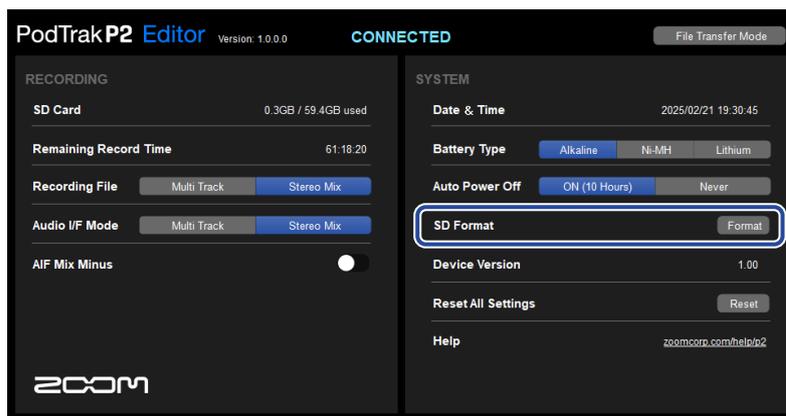


- 1 microSD use/capacity
- 2 Recordable time

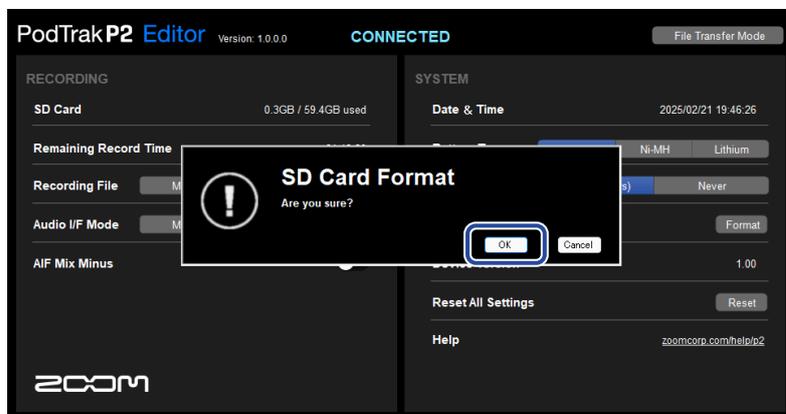
# Formatting microSD cards

To maximize the performance of a microSD card, format it for use with the P2.

1. With the power off, insert the microSD card. (→ [Inserting microSD cards](#))
2. Use a USB cable (Type-C) to connect the P2 with a computer, smartphone or tablet. (→ [Connecting computers, smartphones and tablets](#))
3. Click “Format” next to “SD Format”.

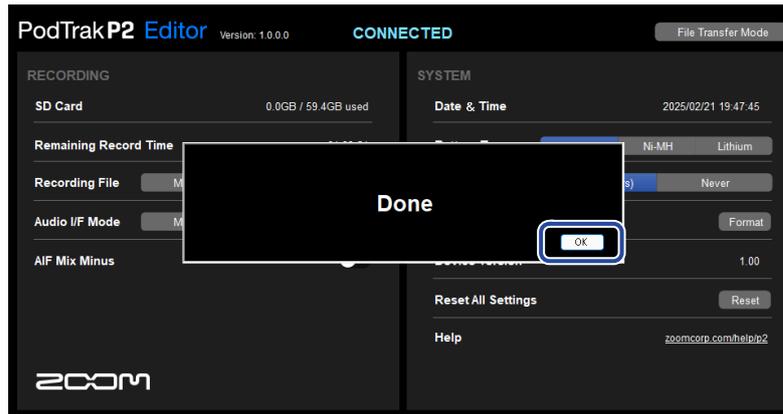


4. Click “OK”.



The microSD card will be formatted.  
Click “Cancel” to cancel formatting.

## 5. Click “Done”.



The previous screen will reopen.

### NOTE

- Always format microSD cards in order to maximize their performance after purchasing them new or using them with a different device.
- Be aware that all data on the microSD card will be deleted when it is formatted.

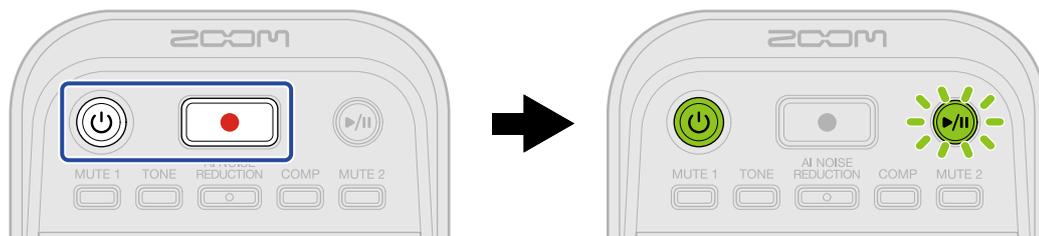
## Formatting microSD cards without using the app

Use audio guidance output from the P2 to check the operation state. Connect headphones to the HEADPHONE 1 jack on the P2. (→ [Connecting headphones](#))

**1.** With the power off, insert the microSD card. (→ [Inserting microSD cards](#))

**2.** While pressing the  (RECORD) button, press the  (POWER) button to turn on the P2 power.

The  (PLAY/PAUSE) button will blink. “SD card format” will be output as audio guidance.



**3.** Press the  (PLAY/PAUSE) button.

When the microSD card is formatted, a voice will announce “Done” and the P2 power will turn off.

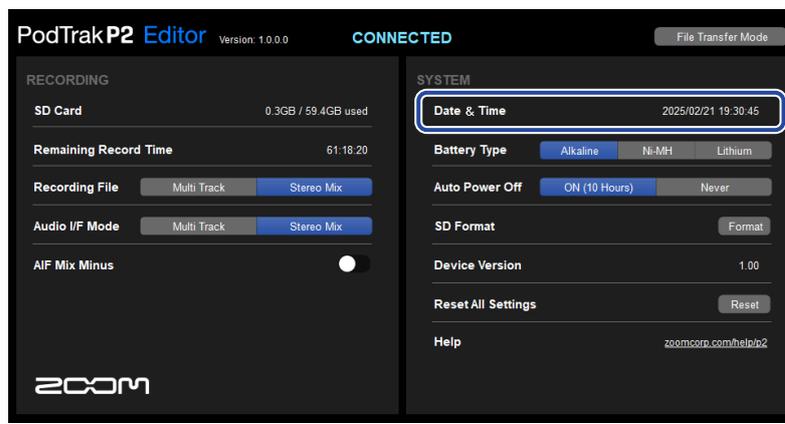
# Making various settings

## Setting the date and time

The date and time can be set.

1. Connect the P2 with a computer using a USB cable (Type-C), and launch ZOOM P2 Editor. (→ [Using the app](#))

When the P2 is connected to ZOOM P2 Editor, the date and time shown in the app will be acquired from the computer and set on the P2.



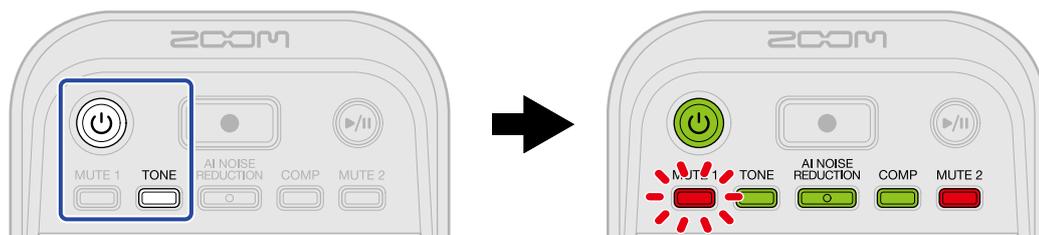
### NOTE

If factory default settings are restored (→ [Restoring factory default settings](#)), the date and time will be reset, so set them again.

## Setting date and time without using the app

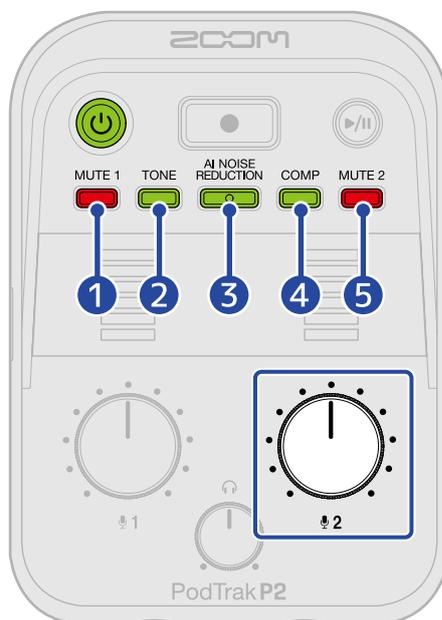
The setting can be confirmed using sound output from the P2. Connect headphones to the HEADPHONE 1 jack on the P2. (→ [Connecting headphones](#))

1. While pressing the  (TONE) button, press the  (POWER) button to turn on the P2 power.



This will start the P2 in date and time setting mode. ("Date time" will be output as audio guidance.)

2. Use the  (MUTE 1),  (TONE),  (AI NOISE REDUCTION),  (COMP) and  (MUTE 2) buttons to select the year, month, day, hour and minute, respectively, and use  to set them.



When a button is pressed, it will blink and the setting item (year, month, day, hour or minute) and value will be output as audio guidance.

Use  to select the setting value. (The setting values will be output as audio guidance.)

- 1 **Year**  
This can be set from 25 to 55. (2025 – 2055)
- 2 **Month**  
This can be set from 1 to 12. (January – December)
- 3 **Day**  
This can be set from 1 to 31. (1 – 31)
- 4 **Hour**  
This can be set from 0 to 23. (00:00 – 23:00)
- 5 **Minute**  
This can be set from 0 to 59. (00:00 – 00:59)

**NOTE**

Press the  (MUTE 1),  (TONE),  (AI NOISE REDUCTION),  (COMP) and  (MUTE 2) buttons to output the current settings for the year, month, day, hour and minute, respectively, as audio guidance.

- After setting all items, press the  (POWER) button until the LEVEL indicators all become lit and an animation starts.

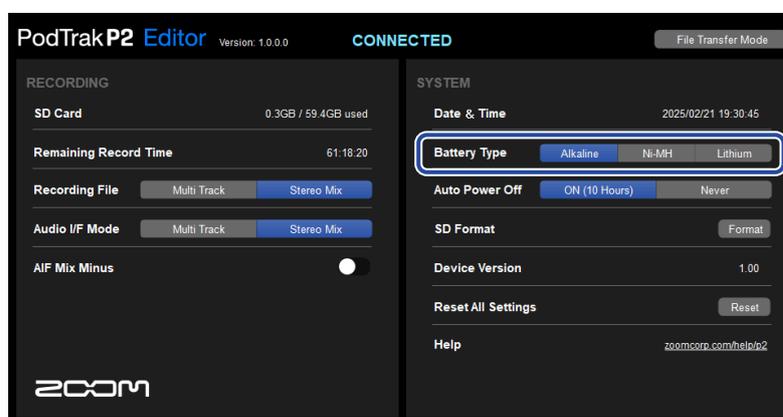
This confirms the date and time settings and turns off the P2 power.

## Setting the type of batteries used

Select the type of battery used by the P2 so that the amount of remaining battery charge can be shown accurately.

- Connect the P2 with a computer using a USB cable (Type-C), and launch ZOOM P2 Editor. (→ [Using the app](#))

- For “Battery Type”, click the type of batteries to select it.

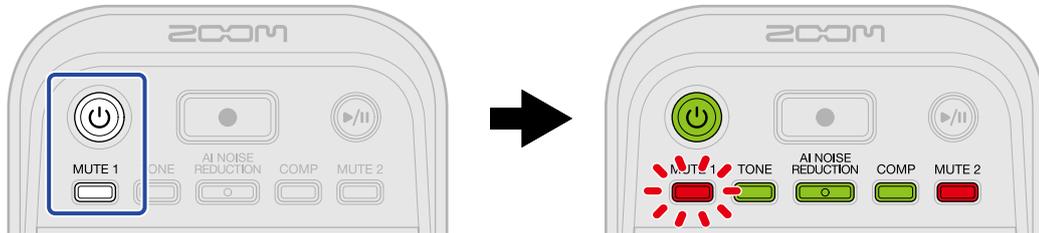


Setting	Explanation
Alkaline	Alkaline batteries
Ni-MH	Nickel-metal hydride batteries
Lithium	Lithium batteries

## Setting the battery type without using the app

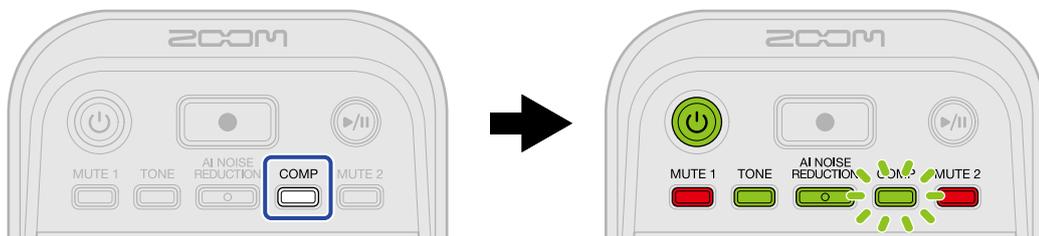
The setting can be confirmed using sound output from the P2. Connect headphones to the HEADPHONE 1 jack on the P2. (→ [Connecting headphones](#))

1. While pressing the  (MUTE 1) button, press the  (POWER) button to turn on the P2 power.



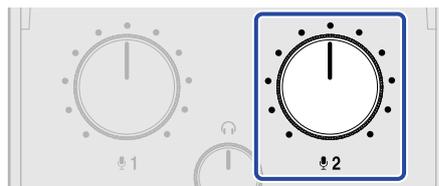
This will start the P2 in setting mode. (“System setting” will be output as audio guidance.)

2. Press the  (COMP) button.



The  (COMP) button will blink and battery type setting mode will be enabled. (“Battery type” and the current setting value will be output as audio guidance.)

3. Use the  (INPUT LEVEL 2) knob to set the battery type.



The setting value will be output as audio guidance.

- “Alkaline”: alkaline batteries
- “Ni-MH”: nickel-metal hydride batteries
- “Lithium”: lithium batteries

### NOTE

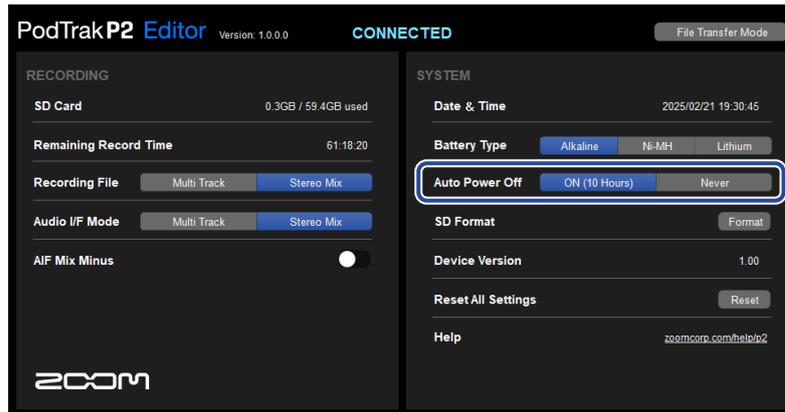
Press the  (COMP) button to output the current setting as audio guidance.

4. Press the  (POWER) button until the LEVEL indicators all become lit and an animation starts. This applies the settings, exits setting mode and turns off the P2 power.

# Turning the power off automatically (Auto Power Off)

The power will automatically turn off if the P2 is unused for 10 hours.  
To keep the power on at all times, set Auto Power Off to Never.

1. Connect the P2 with a computer using a USB cable (Type-C), and launch ZOOM P2 Editor. (→ [Using the app](#))
2. For “Auto Power Off”, select an automatic power off setting.



Setting	Explanation
ON (10 Hours)	The power will automatically turn off if it is unused for 10 hours.
Never	The power will not turn off automatically.

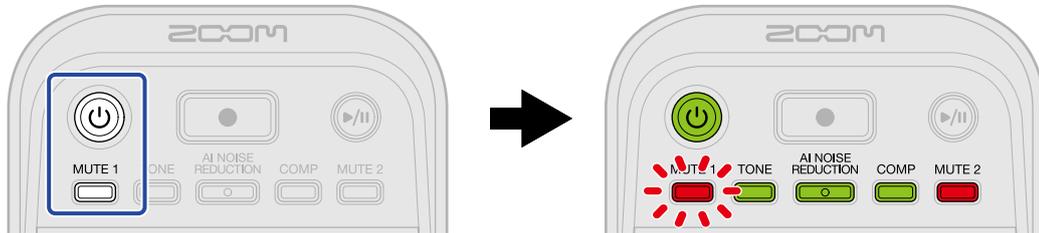
## NOTE

- In the following cases, the power will not turn off automatically regardless of the Auto Power Off Setting.
  - When recording or playing back
  - When using the P2 as an audio interface
  - When using the file transfer function
  - When executing a firmware update
- Operating the P2 will reset the time until the Auto Power Off function activates.

## Setting auto power off without using the app

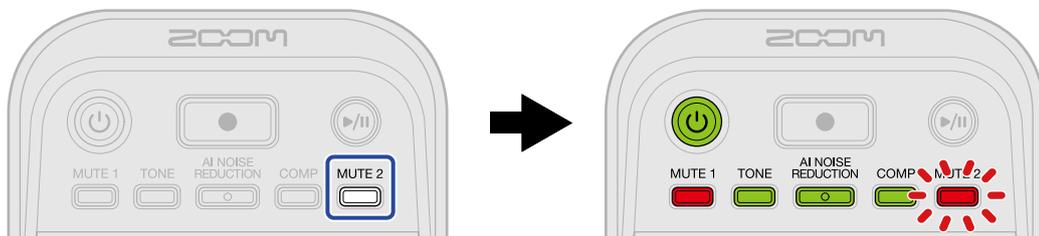
The setting can be confirmed using sound output from the P2. Connect headphones to the HEADPHONE 1 jack on the P2. (→ [Connecting headphones](#))

1. While pressing the  (MUTE 1) button, press the  (POWER) button to turn on the P2 power.



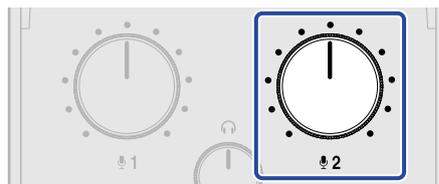
This will start the P2 in setting mode. ("System setting" will be output as audio guidance.)

2. Press the  (MUTE 2) button.



The  (MUTE 2) button will blink and Auto Power Off setting mode will be enabled. ("Auto power off" and the current setting value will be output as audio guidance.)

3. Use the  (INPUT LEVEL 2) knob to select an automatic power off setting.



The setting value will be output as audio guidance.

- "On": The power will automatically turn off if it is unused for 10 hours.
- "Off": The power will not turn off automatically.

### NOTE

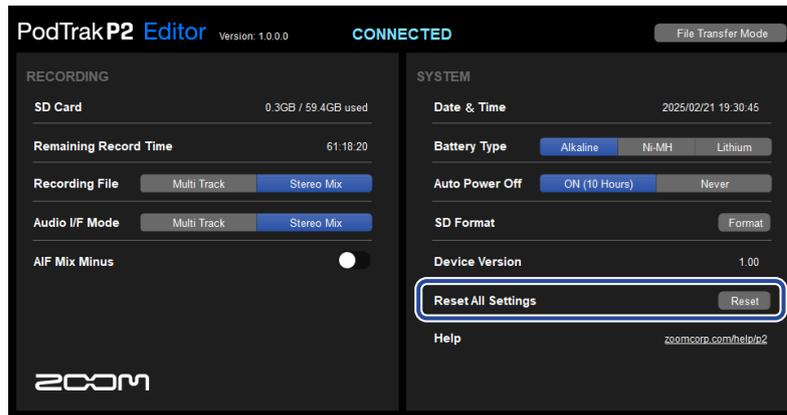
Press the  (MUTE 2) button to output the current setting as audio guidance.

4. Press the  (POWER) button until the LEVEL indicators all become lit and an animation starts. This applies the settings, exits setting mode and turns off the P2 power.

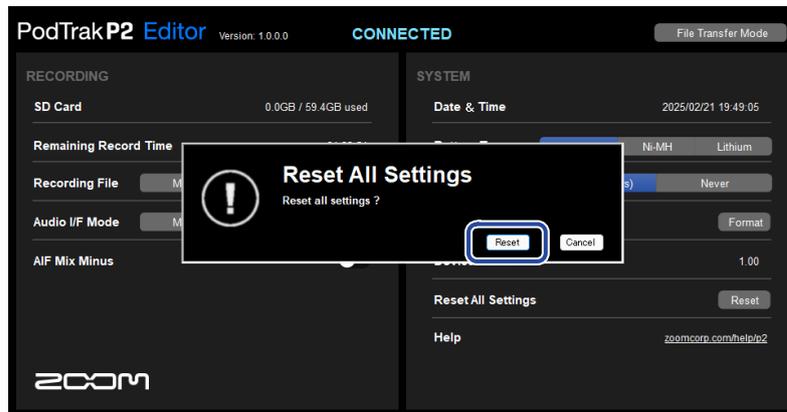
# Restoring factory default settings

The P2 settings can be reset to their factory defaults.

1. Connect the P2 with a computer using a USB cable (Type-C), and launch ZOOM P2 Editor. (→ [Using the app](#))
2. Click “Reset All Settings”.



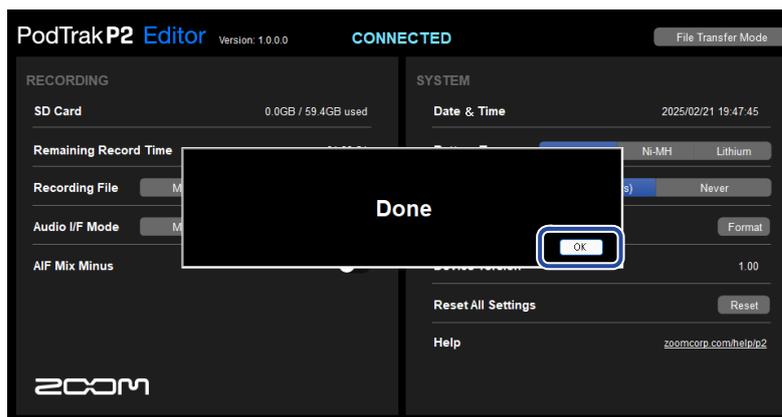
3. Click “OK”.



The P2 will be restored to its factory default state.

Click “Cancel” to cancel resetting.

#### 4. Click “Done”.

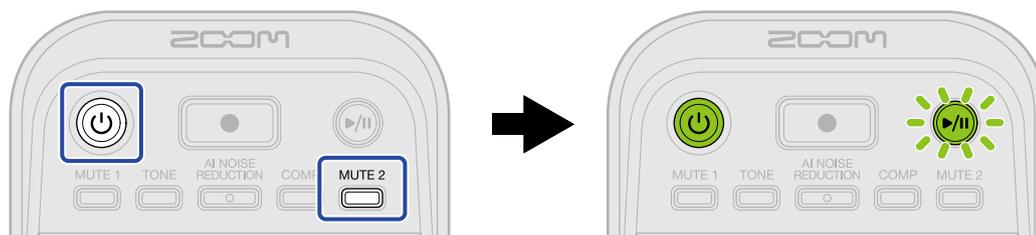


#### NOTE

Initializing settings will overwrite all settings with their factory defaults. Be certain before using this function.

## Restoring factory default settings without using the app

1. While pressing the  (MUTE 2) button, press the  (POWER) button to turn on the P2 power. The  (PLAY/PAUSE) button will blink. (“Reset all settings” will be output as audio guidance.)



2. Press the  (PLAY/PAUSE) button.

After the P2 is restored to its factory default state, a voice will announce “Done” and the P2 power will turn off.

#### NOTE

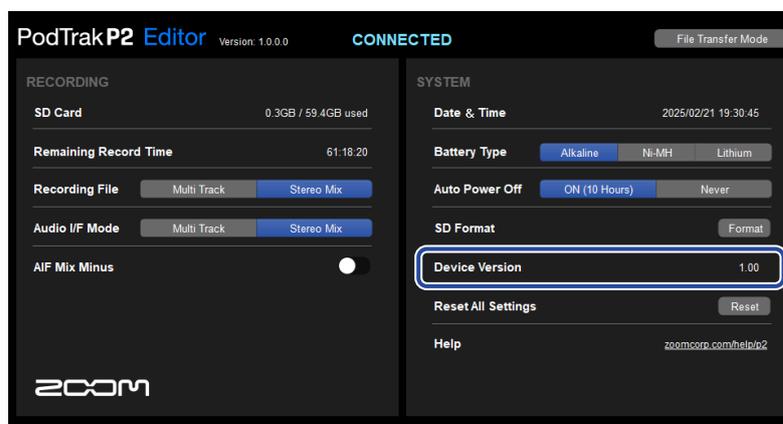
Initializing settings will overwrite all settings with their factory defaults. Be certain before using this function.

# Managing the firmware

## Checking the firmware version

The firmware version used by the P2 can be checked.

1. Connect the P2 with a computer using a USB cable (Type-C), and launch ZOOM P2 Editor. (→ [Using the app](#))
2. Check the firmware version on the ZOOM P2 Editor screen.



## Updating the firmware

The P2 firmware can be updated to the latest version.

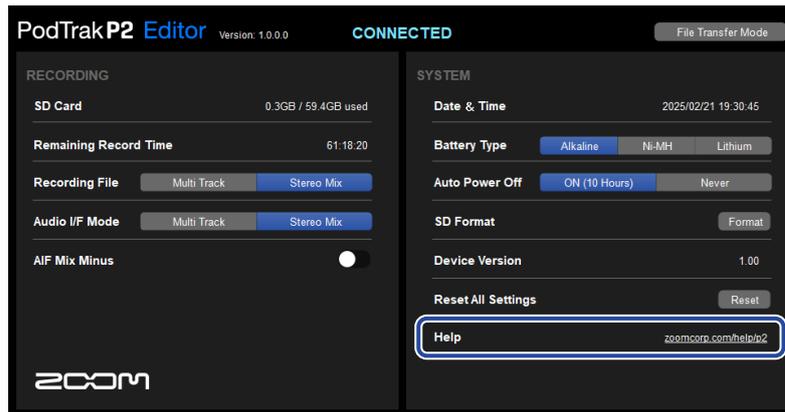
Files for the latest firmware updates can be downloaded from the ZOOM website ([zoomcorp.com/help/p2](https://zoomcorp.com/help/p2)). Follow the instructions in the “P2 Firmware Update Guide” on the P2 download page.

# Checking the latest information for the P2

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Help related to the product can be accessed from ZOOM P2 Editor.

1. Connect the P2 with a computer using a USB cable (Type-C), and launch ZOOM P2 Editor. (→ [Using the app](#))
2. Click the “Help” link.



Help related to the product will be shown on the computer.

# Appendix

## Troubleshooting

If you think that the P2 is operating strangely, check the following items first.

### Recording/playback trouble

#### There is no sound or output is very quiet

- Check the USB mic and headphone connections. (→ [Making connections](#))  
Confirm that USB mics are connected using USB cables that support data transfer.  
Connect headphones to the headphone jacks on the P2.
- Check the orientations and level settings of the USB mics.
- Confirm that the headphone volume and the USB mic levels are not too low. (→ [Adjusting the monitoring level](#), [Adjusting USB mic levels](#))
- Check the mute setting. (→ [Muting USB mics](#))

#### Monitored sound is distorted

- Confirm that level indicators are not lighting to their highest levels. If they are lighting, use the  (INPUT LEVEL 1) and  (INPUT LEVEL 2) knobs to adjust the levels of the USB mics. (→ [Adjusting USB mic levels](#))
- Use the  (HEADPHONE VOLUME) knob to adjust the headphone volume.

#### Recorded audio is too loud, too quiet or silent

- Use the  (INPUT LEVEL 1) and  (INPUT LEVEL 2) knobs to adjust the levels of the USB mics. (→ [Adjusting USB mic levels](#))
- Adjust the levels on the USB mics.
- If the input sound is too loud, speak further away from the USB mic.
- Confirm that the  (MUTE 1) and  (MUTE 2) buttons are not lit and that the mics are not muted.

#### Recording is not possible

- Confirm that the USB mics and the computer, smartphone or tablet are recognized.  
If the LEVEL indicators are blinking red, the sampling frequency, bit depth or channel count of the USB mic is not supported.  
Communication with the USB mic could also have been interrupted.

See the ZOOM website ([zoomcorp.com/help/p2](https://zoomcorp.com/help/p2)) for information about USB mics that have been confirmed to work with this unit.

- Confirm that the microSD card has open space. The available recording time can be checked on the ZOOM P2 Editor screen. (→ [Checking the microSD card state](#))
- Confirm that a microSD card is loaded properly in the card slot. (→ [Inserting microSD cards](#))

## The recorded sound breaks up

- Use the P2 to format the microSD card. (→ [Formatting microSD cards](#))
- We recommend using microSD cards that have been confirmed to operate with this recorder. See the ZOOM website ([zoomcorp.com/help/p2](https://zoomcorp.com/help/p2)) for information about microSD cards that have been confirmed to work with this unit.

## Other trouble

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### Not recognized by a computer, smartphone or tablet even though a USB port is connected to it

- Use the left USB port (↔ for data) on the back of the P2 to connect a computer, smartphone or tablet. (→ [Connecting computers, smartphones and tablets](#))
- Use a USB cable that supports data transfer.
- The operation mode must be set on the P2 to allow the computer, smartphone or tablet to recognize it. (→ [Transferring files to computers](#))

### Date and time data for recorded files are very inaccurate

- If power is not supplied by a USB AC adapter or batteries for a long time, date and time settings will be reset. Use a USB cable (Type-C) to reconnect the P2 with a computer, and launch ZOOM P2 Editor to acquire date and time data. (→ [Setting the date and time](#))

### Battery operation time is short

Making the following settings could increase the battery operation time.

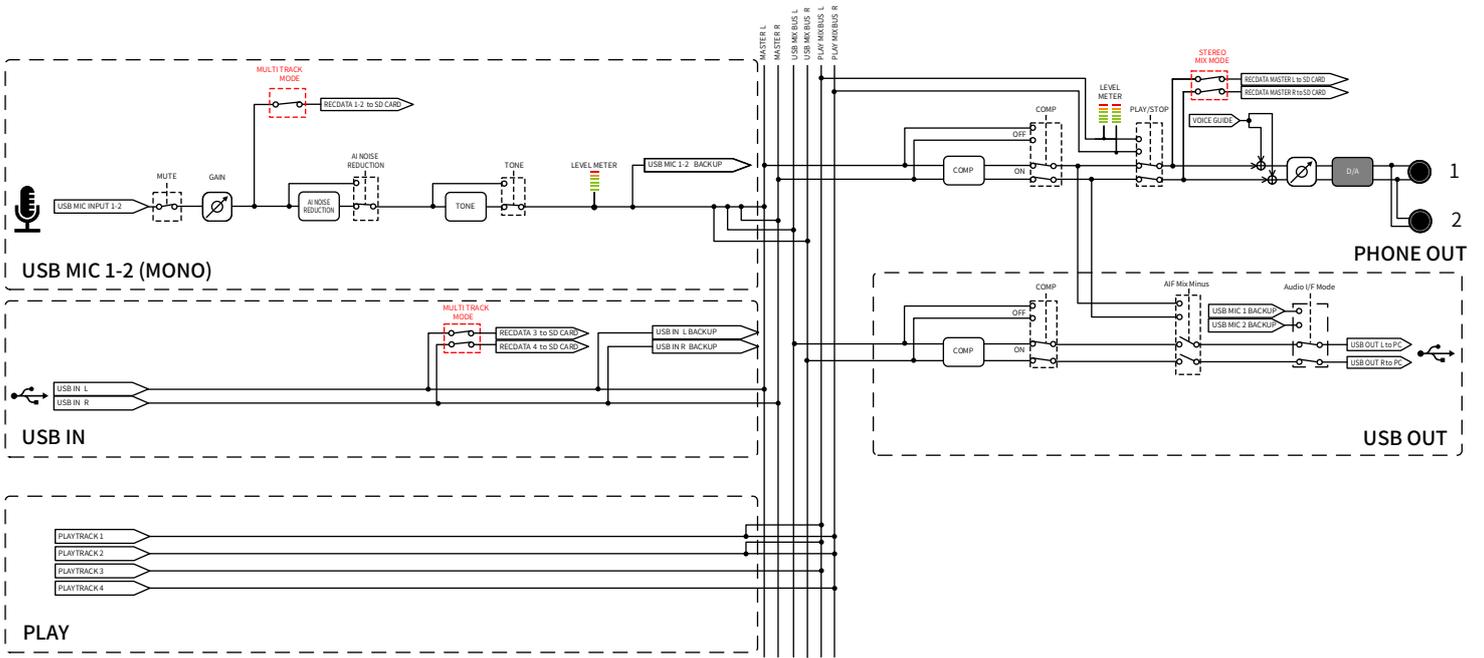
- Set the type of battery used correctly. (→ [Setting the type of batteries used](#))
- Disconnect unnecessary cables from connectors.
- Due to their characteristics, using rechargeable nickel metal hydride batteries (especially high-capacity ones) or lithium batteries should enable longer use than alkaline batteries when power consumption is high.

### All LEVEL indicators are blinking

If a USB mic with high current consumption is connected, all LEVEL indicators will blink and “USB mic uses too much power. Please power off.” will be output as audio guidance.

- Turn the P2 power off and disconnect the USB mic.
- Use a separate AC adapter, for example, to supply power when connecting USB mics with high current consumption.

# Block diagram



# Specifications

Input and output channels	Inputs	USB mic (mono) (stereo mics will be mixed to mono)	2
	Outputs	Headphone (stereo)	2
Inputs	USB mics	Connector	USB Type-A
		USB bus power	5 V, 700 mA maximum (total for USB mics 1 and 2) See the ZOOM website ( <a href="http://zoomcorp.com/help/p2">zoomcorp.com/help/p2</a> ) for information about USB mics that have been confirmed to work with this unit.
Outputs	Headphones	Connector	Stereo mini jack × 2
		Maximum output level	20 mW + 20 mW (per output into 32Ω load) Headphone volume knob shared by both outputs
		Output impedance	10 Ω or less
Effects			TONE AI NOISE REDUCTION COMP
Recorder		Maximum simultaneous recording tracks	4
		Maximum simultaneous playback tracks	4
		Recording format	48kHz/24-bit stereo/mono WAV
		Recording media	microSDHC memory cards microSDXC memory cards See the ZOOM website ( <a href="http://zoomcorp.com/help/p2">zoomcorp.com/help/p2</a> ) for information about microSD cards that have been confirmed to work with this unit.
USB (  for data)	Connector		USB Type-C • Use a USB cable that supports data transfer. USB bus power is supported.
		Audio interface	USB 2.0 High Speed
		Input and output channels	2-in/2-out
		Sampling frequency	48 kHz

	Bit depth	24-bit
	File transfer	USB 2.0 High Speed
Power	Batteries	4 AA batteries (alkaline, lithium, or rechargeable NiMH)
	USB (DC5V) power port USB (↔) for data) port	Commercially-available USB AC adapter 12 W or higher (5 V, 2.4 A or higher) • USB bus power is supported.
Estimated continuous recording time using batteries • These values are approximate. • Continuous battery operation times were determined using in-house testing methods. They will vary greatly according to use conditions.	Recording stereo mix with 2 ZOOM ZUM-2 mics connected	Alkaline: about 3.5 hours NiMH: about 5 hours Lithium: about 10 hours
Power consumption		8 W maximum
Dimensions		82 mm (W) × 116 mm (D) × 43 mm (H)
Weight (including batteries)		226 g



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