P4next

PodTrak

Operation Manual

You must read the Usage and Safety Precautions before use.

Notes about this Operation Manual

This manual might be needed in the future. Always keep it in a place where it can be accessed easily.
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Contents

P4next overview

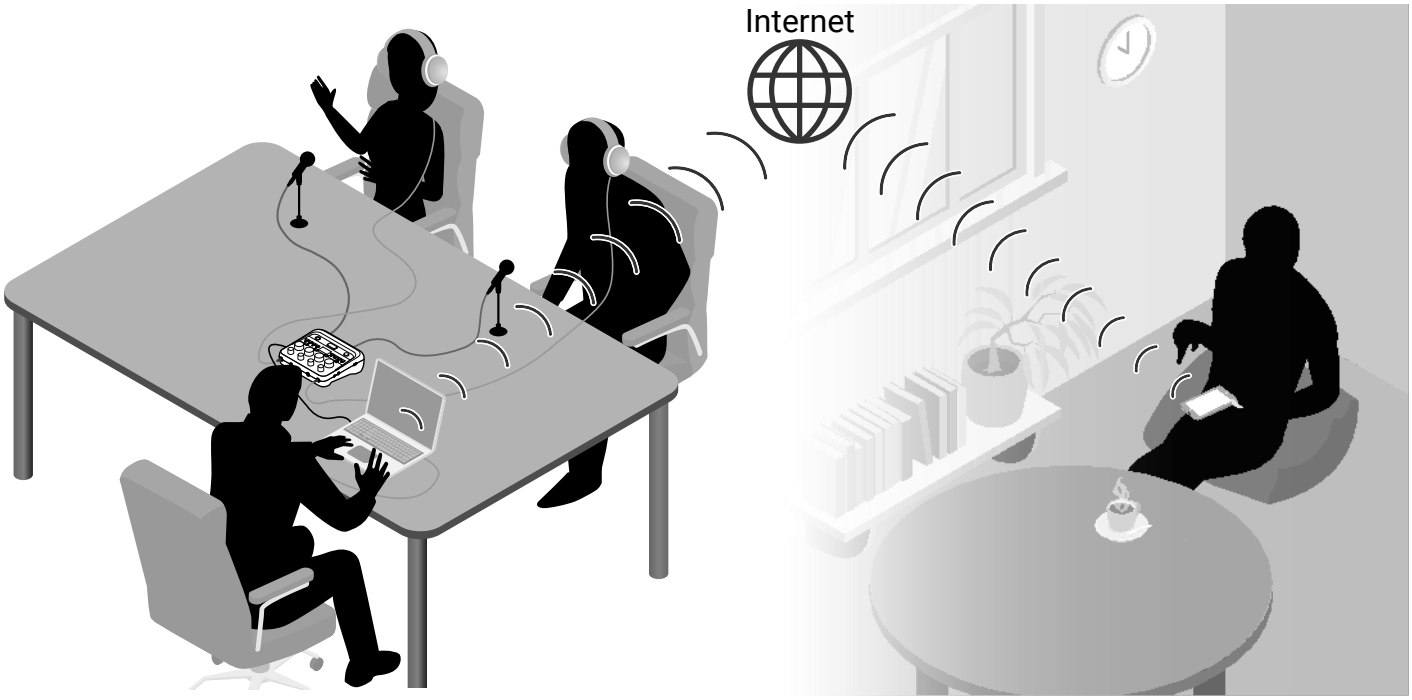
Use examples

Recording podcasts in the field

Powered by regular batteries or a portable battery, the P4next 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 P4next, guests at remote locations can participate in podcast recording by phone.



Live streaming

By connecting the P4next 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 P4next 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.
Background music can be added to podcasts by inputting music and other sound played back on a computer, smartphone or tablet to the P4next.

USB Mix Minus

Phone guests can participate remotely in podcast recording by using the P4next as an audio interface for a computer, smartphone or tablet.
By enabling the USB Mix Minus function during remote participation, input from the call participant will not be returned to them, preventing feedback on their end.

USB audio return

When the P4next is connected as an audio interface, these are signals output from the computer, smartphone or tablet. Background music can be played from the connected device.

Sound pads

Sound pads can be pressed to play the audio files that have been assigned to them. This is convenient for playing interviews that have been recorded in advance, opening and closing music and jingles.

Dynamic mics

These tough and durable mics do not require phantom power.

Condenser mics

These mics usually have high sensitivity and capture sound with high quality. They require phantom power for use.

Podcasting flow

1. Prepare and check connections

● Preparations

- Install a microSD card in the P4next, and supply power to it. (→ Inserting microSD cards, Supplying power)
- Connect mics and headphones. (→ Making connections)
  - By using one 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 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 mics, headphones are necessary to hear sound pads, voices of guests participating remotely and sounds played back from computers, smartphones and tablets.
- Set the audio guidance, date and time, and battery type. (→ Setting audio guidance, the date and time and battery type (making initial P4next settings))
- Set the background music, jingles and other audio to be played using sound pads during recording and check their levels.
- To have guests participate remotely in recording, connect the P4next to a computer, smartphone or tablet. Turn on the USB Mix Minus function. (→ Preventing feedback for callers participating remotely in podcast recording)

● Measures for environmental noise at recording locations

- Blowing noise caused by wind can be reduced by putting windscreens on mics. For other environmental sounds, adjust the 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 mics)
- Touching the 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 mic cables are too close to power cables.
- By turning on the P4next's AI Noise Reduction, environmental sounds and other noises can be reduced. (→ Adjusting the sound)

2. Record

● 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 audio

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

● Sound pads

Add excitement to programs by playing jingles and effect sounds.

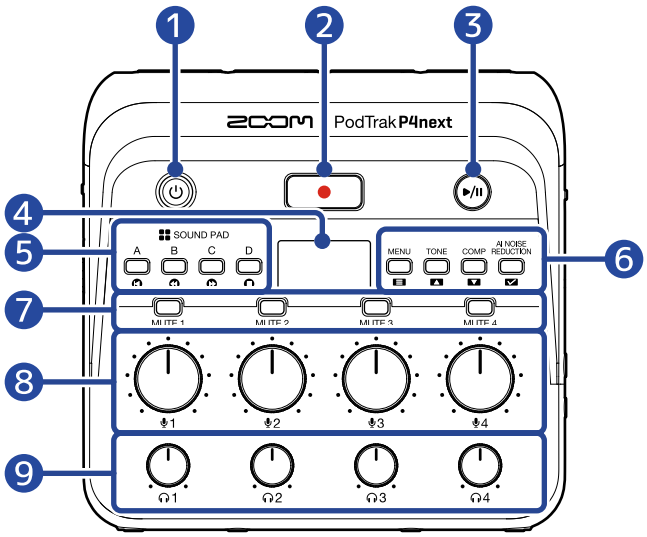
3. Release

● Public release

Recorded files can be transferred by connecting the P4next 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

Functions of parts

TOP



1 POWER button

This turns the power on/off.

2 RECORD button

This starts and stops recording.
Pressing this during playback will stop playback.
Press this when the Menu Screen is open to return to the Home Screen.

3 PLAY/PAUSE button

This starts and pauses playback of the most recently recorded file.
Press this when recording to pause recording and/or add a mark. (→ Changing the function of the PLAY/PAUSE button when recording)

4 Display

This shows various types of information.

5 Operation buttons A–D

- A SOUND PAD A / BEGINNING button (operation button A)

  This plays the sound assigned to SOUND PAD A.
  When playing or paused, this moves to the file beginning.

- B SOUND PAD B / BACKWARD search button (operation button B)

  This plays the sound assigned to SOUND PAD B.
  When playing or paused, this moves backward 10 seconds. Press and hold this to search backward.

- C SOUND PAD C / FORWARD search button (operation button C)

  This plays the sound assigned to SOUND PAD C.

When playing or paused, this moves forward 10 seconds. Press and hold this to search forward.

- 

SOUND PAD D / STOP button (operation button D)

This plays the sound assigned to SOUND PAD D.
Stop playback.

6 Operation buttons 1–4

- 

MENU / BACK button (operation button 1)

From the Home Screen, this opens the Menu Screen. Press and hold this to turn audio guidance on/off.
From the Menu Screen, this returns to the previous screen.

- 

TONE / UP button (operation button 2)

On the Home Screen, this turns TONE on/off.
On the Menu Screen, this selects the item above.

- 

COMP / DOWN button (operation button 3)

On the Home Screen, this turns COMP on/off.
On the Menu Screen, this selects the item below.

- 

AI NOISE REDUCTION / CONFIRM button (operation button 4)

On the Home Screen, this turns AI NOISE REDUCTION on/off.
On the Menu Screen, this confirms the selected item.

7 MUTE 1–4 buttons

These mute the INPUT 1–4 jacks.

8 INPUT LEVEL 1–4 knobs

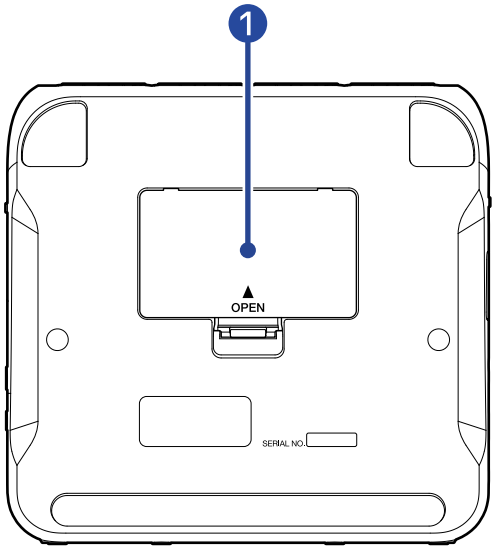
These adjust the levels of the mics connected to the INPUT 1–4 jacks.

9 HEADPHONE VOLUME 1–4 knobs

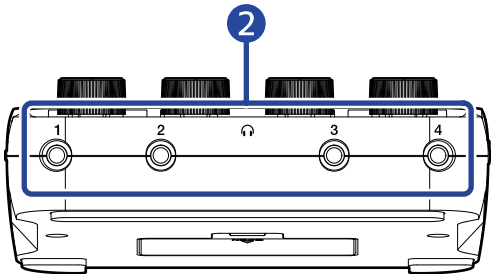
These adjust the volumes of the headphones connected to the PHONES 1–4 jacks.

Bottom/front/back

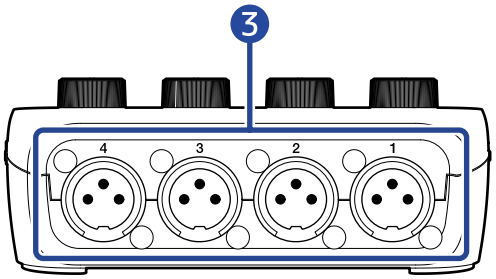
■ Bottom



■ Front



■ Back



1 Battery cover

Open this when installing and removing AA batteries. (→ Installing batteries)

2 HEADPHONE 1–4 jacks

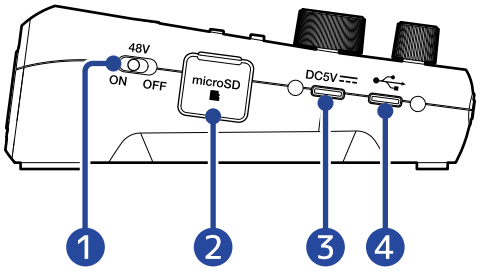
Connect headphones to these.
These can be used with stereo mini-plugs.

3 INPUT 1–4 jacks

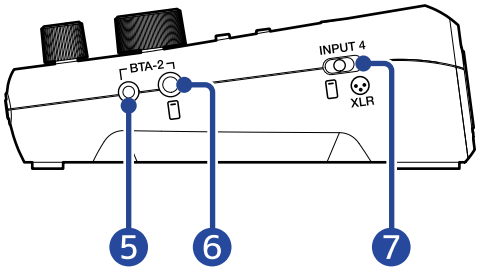
These input jacks have built-in mic preamps.
They can be used with XLR plugs.

Left and right sides

■ Left side



■ Right side



1 48V switch

Use this to provide +48V phantom power to the INPUT 1–4 jacks.

2 microSD card slot

Insert a microSD card here.

3 USB (DC5V) power port (Type-C)

This USB power port can be used to connect an AC adapter or portable battery.

4 USB ( ) port (Type-C)

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

- Use the P4next as an audio interface
- Use the file transfer function to share files with a computer, smartphone or tablet

This supports operation on USB bus power. Use a USB cable that supports data transfer.

5 Power connector for BTA-2

Use this power connector when connecting a BTA-2 dedicated wireless adapter.

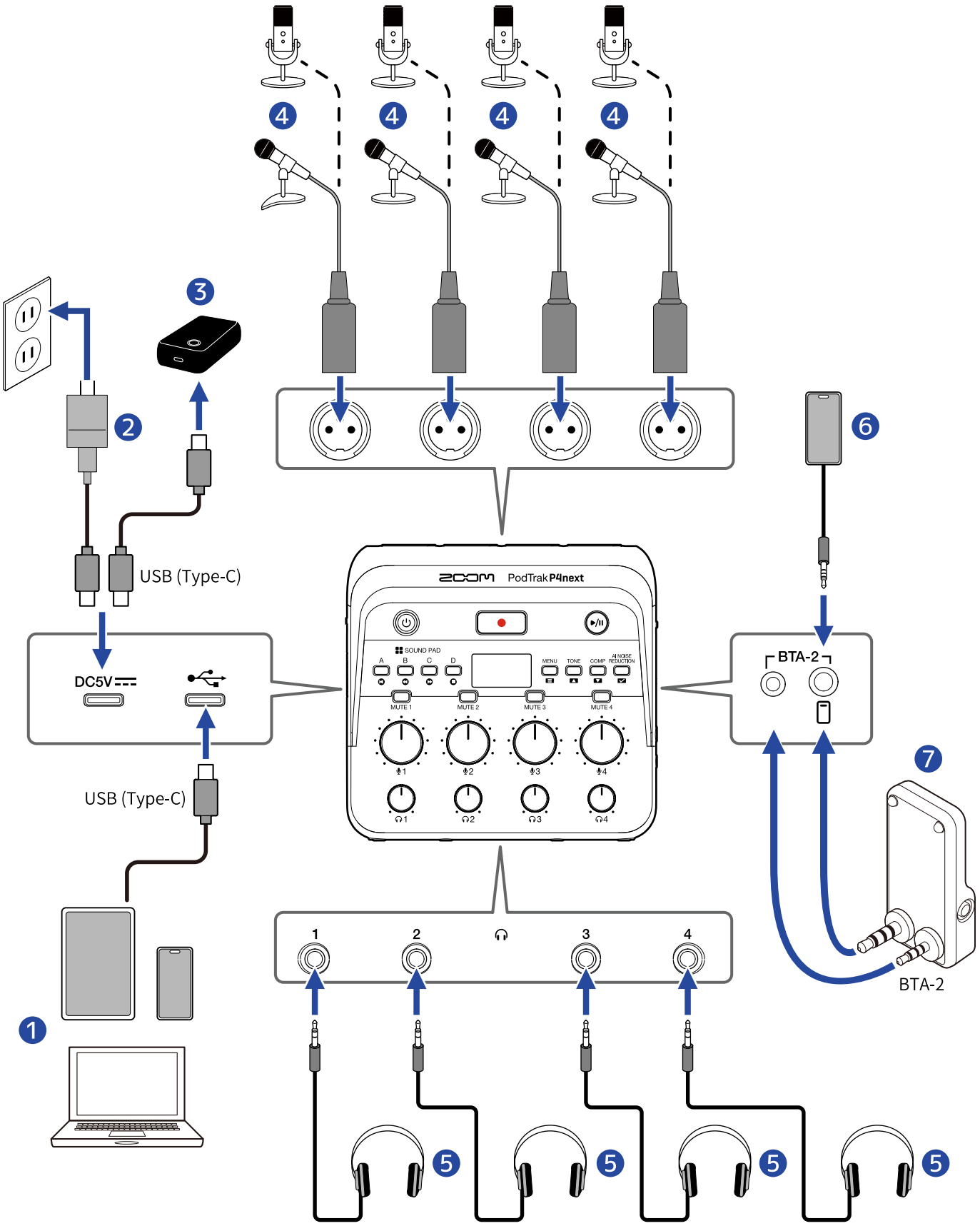
6 Smartphone connection jack

Use this audio input connector when connecting a BTA-2 dedicated wireless adapter. By using a 4-contact mini-plug cable, for example, to connect a smartphone to this jack, its audio signal can be input on channel 4. Moreover, the signal mixed on the P4next (excluding channel 4) can be sent to the smartphone.

7 INPUT switch

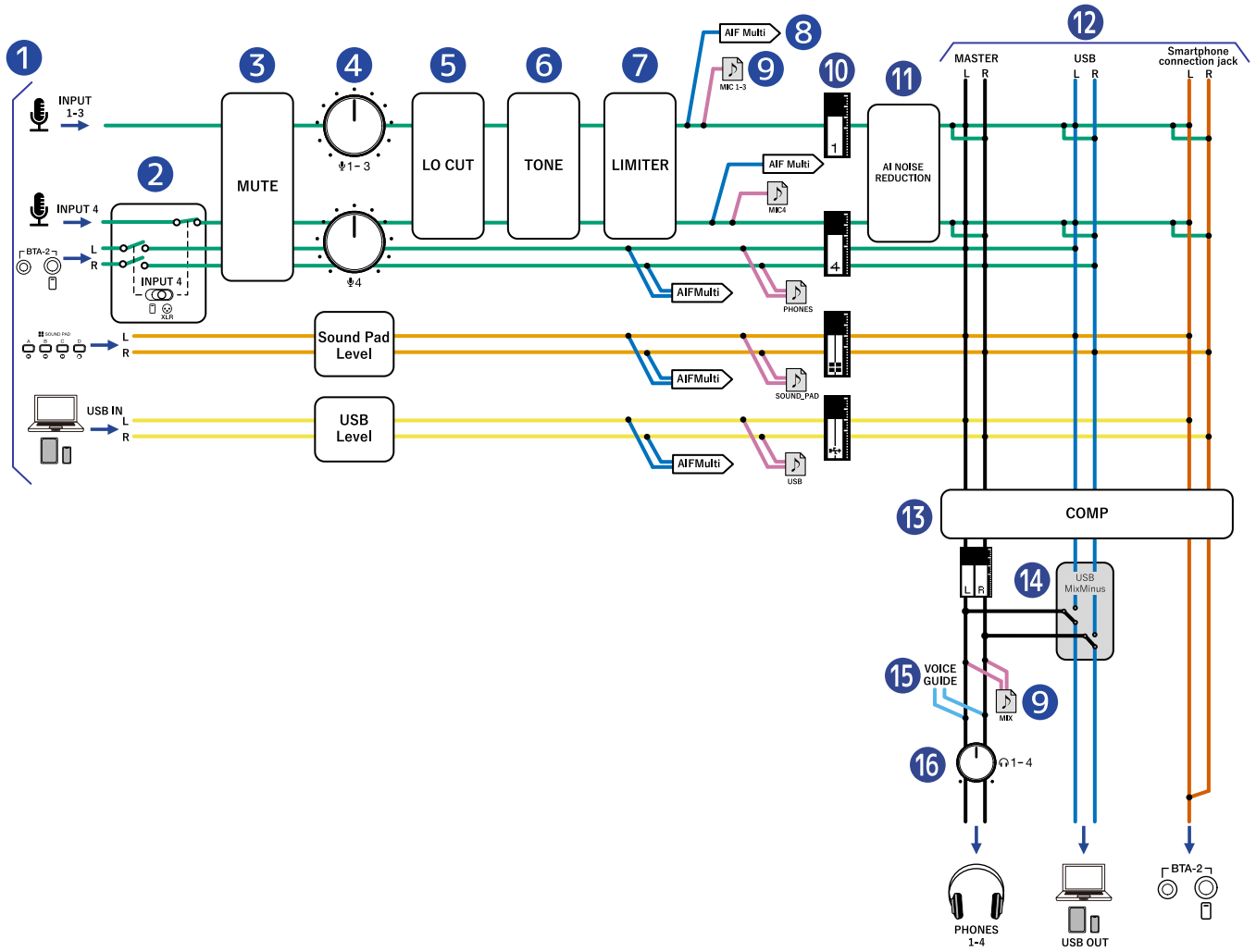
Use this to select the signal to input on channel 4, either from the INPUT 4 jack (XLR) or from the smartphone connection jack.

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. Mics (→ Connecting mics)
5. Headphones (→ Connecting headphones)
6. Smartphone (→ Connecting smartphones)
7. Dedicated wireless adapter (ZOOM BTA-2) (→ Connecting a BTA-2 (dedicated wireless adapter))

Signal flow



1 INPUT 1–4, smartphone/BTA-2, sound pads, USB inputs

These are sounds from mics and a computer/smartphone/tablet connected to the P4next and the sound pads.

2 INPUT switch

Depending on the setting of the INPUT switch on the right side of the P4next, either the signal from the channel 4 XLR jack or the signal from the smartphone connection jack can be selected for input.

3 MUTE 1–4

Sounds from INPUT 1–4 can be muted.

4 INPUT LEVEL 1–4

Use these to adjust the levels of INPUT 1–4. (→ Adjusting mic levels)

5 LO CUT

Low frequencies of mic signals can be cut to reduce the sound of wind and vocal pop noises, for example. This can be turned on/off separately for each input channel. (→ Making mic settings)

6 TONE

This adjusts mic signals to make them sound clearer and suitable for podcasts. This can be turned on/off separately for each input channel. (→ Adjusting the sound)

7 LIMITER

The limiter can prevent distortion by reducing input signals from mics that have excessively high levels. This can be set separately for each input channel. (→ Making mic settings)

8 Multi channel audio interface

When using the P4next as a USB audio interface, depending on the setting, signals from each channel can be sent separately to the computer, smartphone or tablet. (→ Setting the signals sent to the computer, smartphone or tablet)

9 Recording files

Sounds from inputs 1–4 and the computer, smartphone or tablet are mixed and recorded on the microSD card as a stereo file.
Depending on the setting, individual files can also be recorded for each channel. (→ Selecting the type of files recorded)

10 Level meters

The signal level of each channel is shown in a range from −54 to 0 dBFS. (→ Adjusting mic levels)

11 AI NOISE REDUCTION

This analyzes the surrounding noise to suppress its input through the mics. This is applied to all input channels together. (→ Adjusting the sound)

12 MASTER, USB and smartphone connection jack outputs

Signals are output from the headphone 1–4 jacks, the smartphone connection jack and to the computer/smartphone/tablet connected by USB. A mono signal that is a mix of L and R channels is sent to the smartphone connection jack.

13 COMP

This increases the sound pressure while avoiding clipping. (→ Adjusting the sound)

14 USB 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)

15 Voice guide

P4next settings and other information are output by voice. (→ Setting the audio guidance)

16 HEADPHONE VOLUME

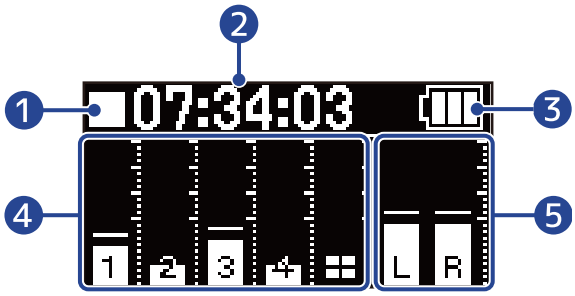
These adjust the headphone volumes. (→ Adjusting monitoring levels)

Overview of screens that appear

In this section, we explain the screens shown on the display of the P4next.

Home Screen

This screen appears on the display when the P4next power is turned on. This shows the state of the P4next, including recording status and input levels.



1 Status icon

The recording status is shown by an icon.

- ■ Stopped
- ● Recording
- ❚❚ Paused

2 Time display

This shows the current elapsed recording time or available recording time.

3 Remaining battery indicator

This is shown when operating on batteries. If the remaining battery charge becomes low, replace the batteries (→ Installing batteries) or connect an AC adapter (→ Connecting a USB AC adapter) or portable battery (→ Other power sources).

4 Channel names and level meters

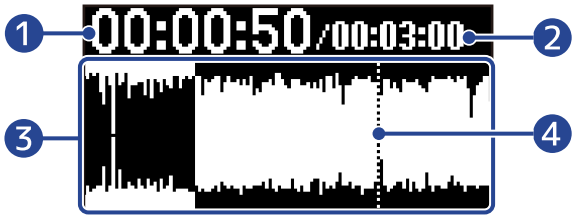
This shows the names of the channels and their current input levels.

5 Master level meters

This shows the output signal levels.

Playback Screen

When the Home Screen is open, pressing the (PLAY/PAUSE) button to start playback will open this screen on the display.
This shows playback conditions of the selected file, including the playback time and waveform.



1 Playback time

This shows the elapsed time since the start of playback.

2 File length

This shows the length of the file currently playing.

3 Waveform display

This shows the waveform of the file being played. The colors are reversed for the part of the waveform that has already been played.

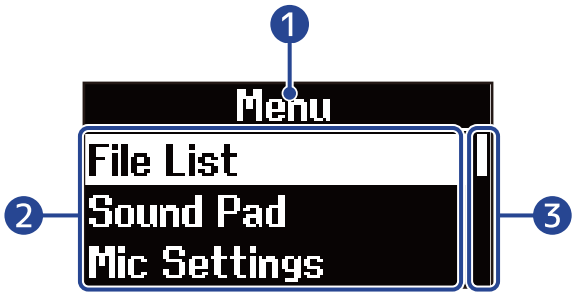
4 Mark position

If a mark has been added to a file, a dotted line will be shown at its position.

Menu Screen

Use this screen to select folders, manage microSD cards, use USB functions, and make settings for mics, sounds pads and the hardware.

When the Home Screen is open, press MENU (operation button 1) to open this.

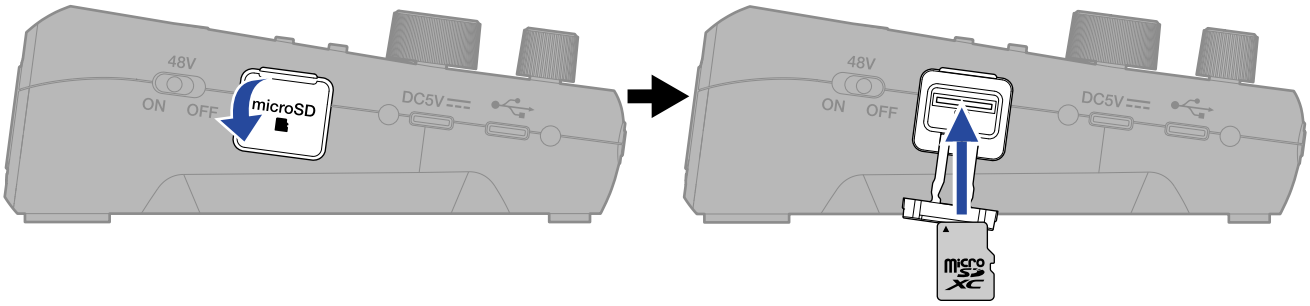


1. Menu title
2. Menu items
   This shows setting items and setting values, for example.
3. Scrollbar
   This will appear when a list has more items than will fit on the display.

Making preparations

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 do so with the correct orientation and facing.
- 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 P4next 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/p4next) for information about microSD cards that have been confirmed to work with this unit.

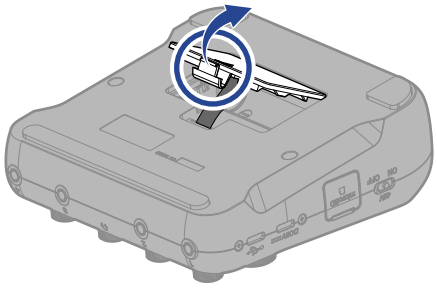
Supplying power

The P4next 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 ( ) port on the left side, or by installing batteries through the bottom.
Power sources will be used in the following order of priority: USB (DC5V) power port, USB ( ) port, batteries.

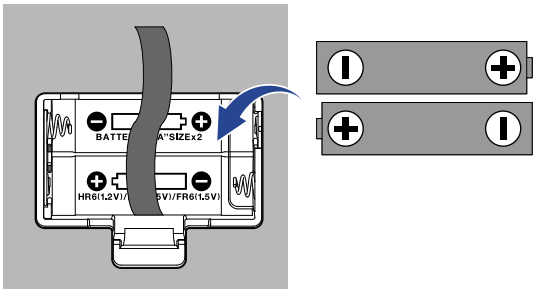
Installing batteries

Use 2 AA batteries when operating the P4next on battery power.

1. When the power is off, push the latch up to open the battery cover.



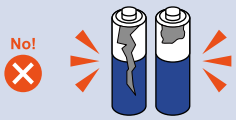
2. Install 2 AA batteries.



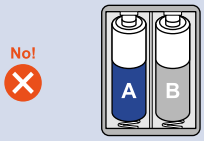
3. Replace the battery cover.

NOTE

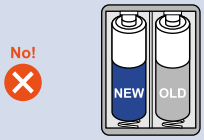
- Use only one type of battery (alkaline, NiMH or lithium) at a time.
- Set the type of battery used so that the amount of remaining battery charge can be shown accurately. (→ Setting the type of batteries used)
- If the batteries run out of charge, turn the power off immediately and install new batteries.
- Take the following precautions to prevent breakdown and leakage when using batteries.



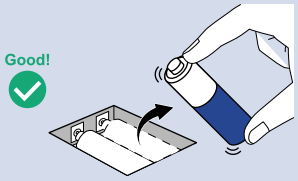
Do not use batteries if their covers are coming off or their exteriors are damaged.



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



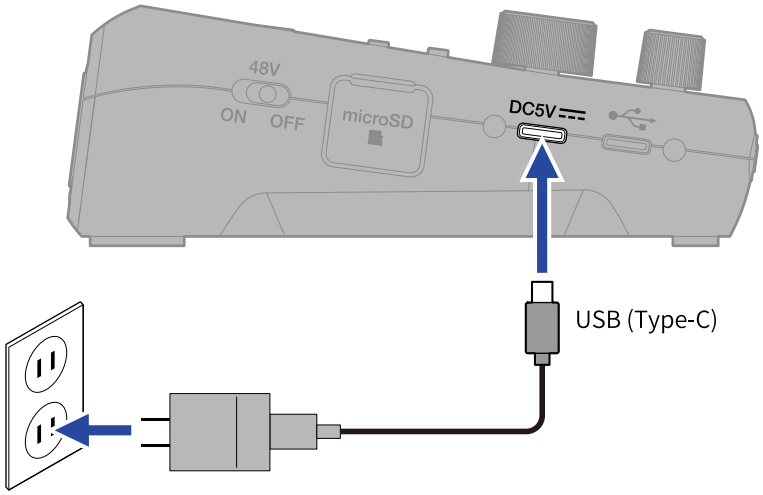
Do not use new and old batteries together.



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

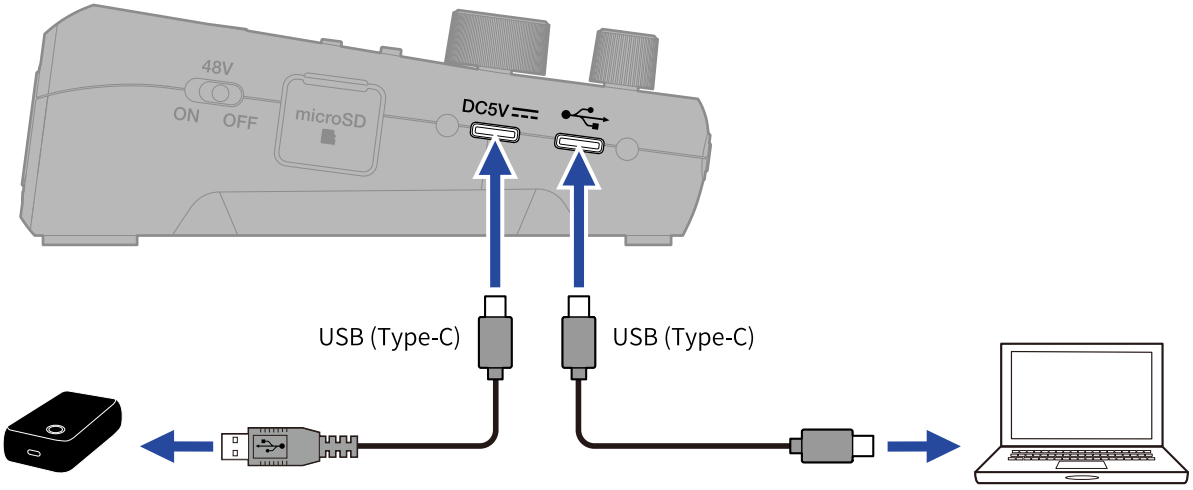
Connecting a USB AC adapter

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 left side, and connect the USB AC adapter to an outlet.



Other power sources

The P4next can be operated using USB bus power by connecting a computer to the USB ( ) (Type-C) port on the left side. A 5V portable battery (commercially-available) can also be connected to the USB (DC5V) power port (Type-C).



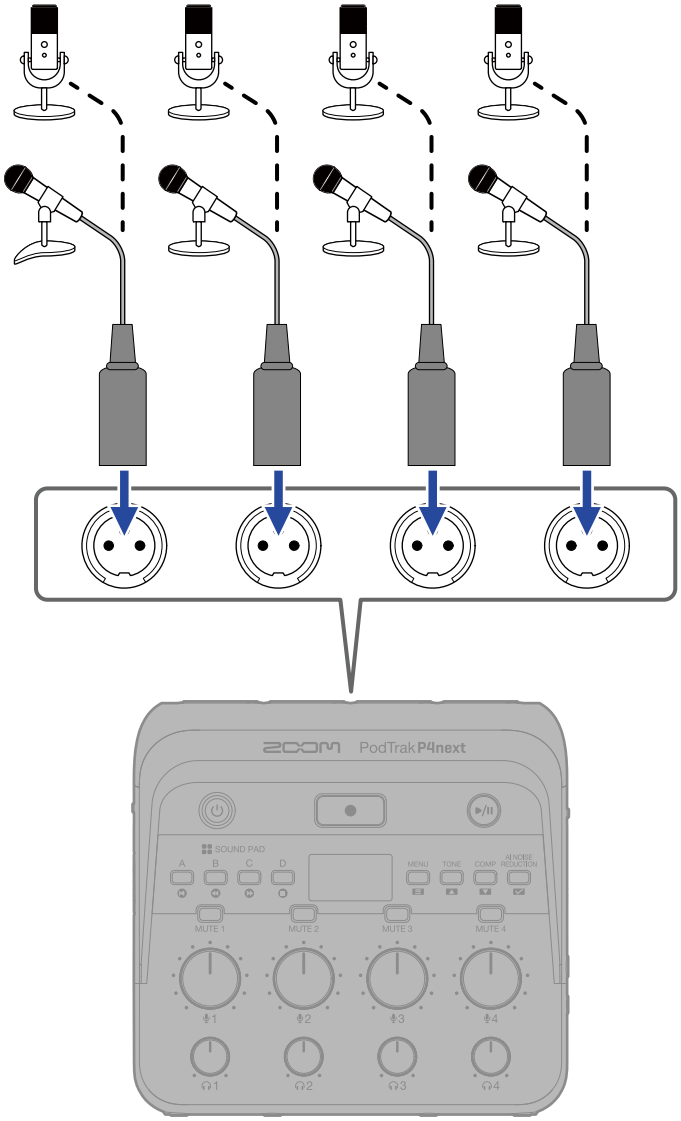
NOTE

- If a computer is connected to the USB port before the power is turned on, the P4next will operate on USB bus power supply.
- Moreover, when operating on batteries, if a computer is connected to the USB port, it will not switch to USB bus power and batteries will continue to be prioritized for operation.
- When a smartphone or tablet is connected to the USB port, power might not turn on for the P4next depending on the connected device. In such a case connect an AC adapter or portable battery to the USB port or install batteries in the battery compartment on the bottom of the product.

Making connections

Connecting mics

Connect mics for capturing audio. Up to 4 mics can be connected.

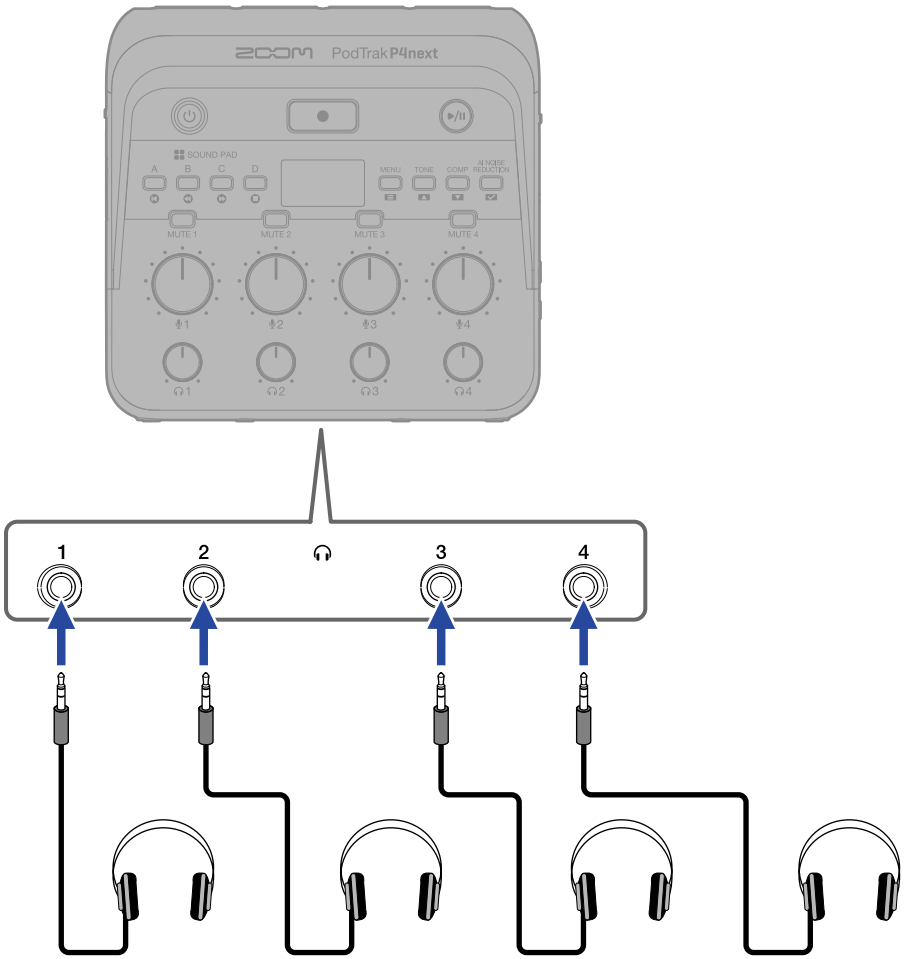


NOTE

Set the 48V ON OFF (48V switch) to “ON” to provide +48V phantom power to the INPUT 1–4 jacks. When connecting devices that are not compatible with phantom power, do not set the 48V ON OFF (48V switch) to “ON”. Doing so could damage those devices.

Connecting headphones

Voices input through the 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.



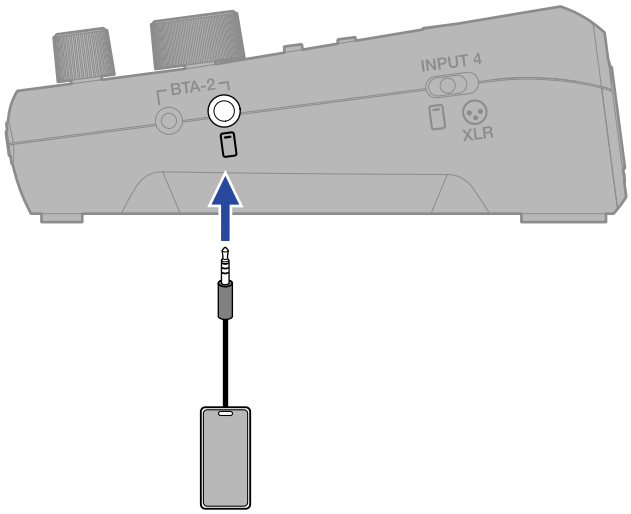
NOTE
Be careful because feedback could occur if a mic and headphones are too close together.

Connecting smartphones

By connecting a smartphone to the smartphone connection jack, the following uses are possible.

- When podcasting, audio from a guest participating by phone can be input on channel 4. By using a 4-contact mini-plug cable, the signal can be input from a smartphone and a mono signal can be sent back to it simultaneously. Since this output signal does not include the sound from channel 4, guests participating by phone will not have an echo.
- Music played back on a smartphone can be input to channel 4.

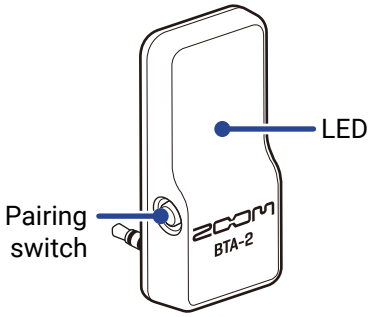
1. Use a mini plug to connect to the smartphone connection jack on the P4next.



2. Set the INPUT switch to .

Connecting a BTA-2 (dedicated wireless adapter)

By connecting a BTA-2, audio can be input to the smartphone connection jack using Bluetooth.

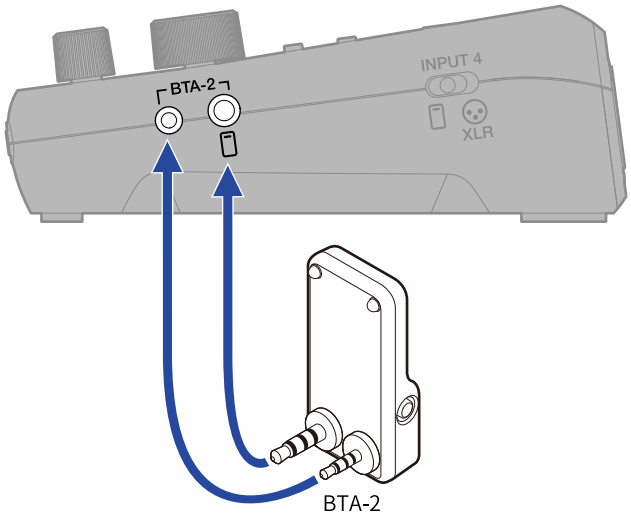


■ Making connections

Pairing is necessary before connecting for the first time.

> **NOTE**
> When using a BTA-2 to connect with a smartphone, set the INPUT switch to .

1. With the P4next power off, connect the BTA-2 to the smartphone connection jack and the BTA-2 power connector.



2. Turn on the P4next power. (→ Turning on the power)
When power is supplied to the BTA-2, an LED will light white.
If a smartphone has already been paired, it will be connected automatically at this time.

3. Keep pressing the pairing switch until the BTA-2 LED blinks white.
This puts the BTA-2 into connection standby.

4. Conduct connection procedures on the smartphone.
When connection completes, the LED will light blue.

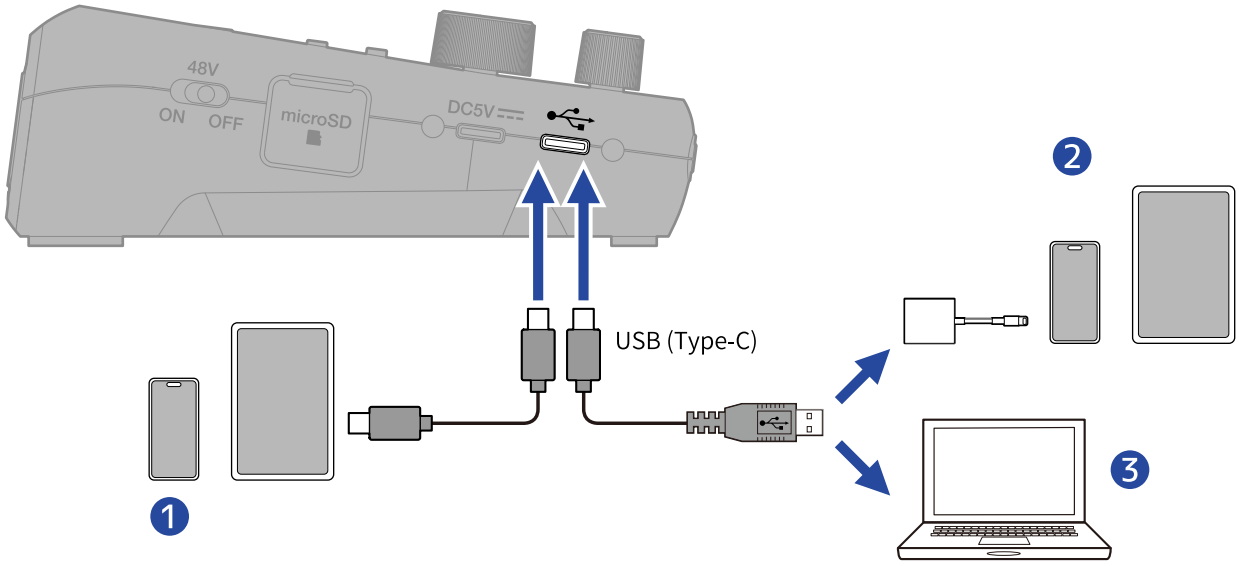
■ Disconnecting

1. Conduct disconnection procedures on the smartphone.
   This disconnects it.

2. Disconnect the BTA-2 while the P4next power is off.

Connecting computers, smartphones and tablets

Computers, smartphones and tablets can be connected to the USB ( ) port on the left side of the P4next.



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 P4next to a computer, smartphone or tablet, the following uses are possible.

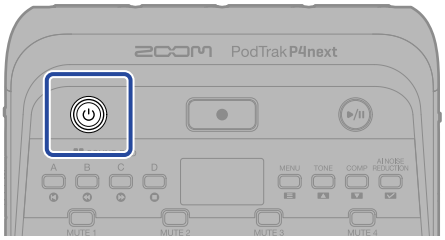
- P4next input sounds can be sent to a computer, smartphone or tablet and playback signals from that device can be output from the P4next. (→ Using as an audio interface)
- Files on the microSD card in the P4next can be checked and moved using a computer. (→ Transferring files to computers)

Turning the power on/off

Turning on the power

1. Press the (POWER) button until the display turns on.

   This turns on the P4next power. The Home Screen will appear on the display.



NOTE

The power will automatically turn off if the P4next 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 display turns off.

   This turns off the P4next power.

NOTE

P4next 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.

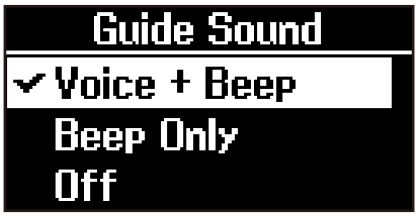
Setting audio guidance, the date and time and battery type (making initial P4next settings)

Before use, set the audio guidance function, the date and time and the type of batteries used.
Connect headphones to hear the audio guidance. (→ Connecting headphones)
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 P4next must be selected.

1. Press the (POWER) button until the display turns on.

This opens the Guide Sound screen.

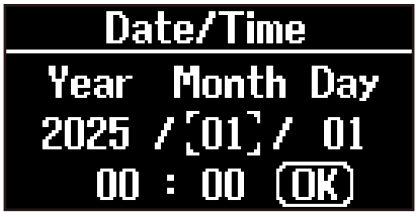
2. Use TONE (operation button 2) and COMP (operation button 3) to select a setting, and press AI NOISE REDUCTION (operation button 4) to confirm.



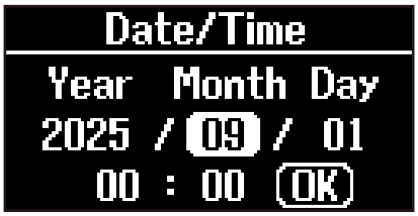
Setting value	Explanation
Voice + Beep	A voice (in English) and beep sounds will be output.
Beep Only	Only beep sounds will be output.
Off	Nothing will be output.

Next, set the date and time.

3. Use TONE (operation button 2) and COMP (operation button 3) to select the desired setting item, and press AI NOISE REDUCTION (operation button 4) to confirm.

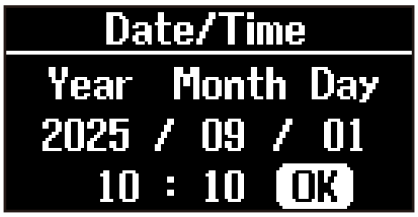


4. Use TONE (operation button 2) and COMP (operation button 3) to change the value, and press AI NOISE REDUCTION (operation button 4) to confirm.



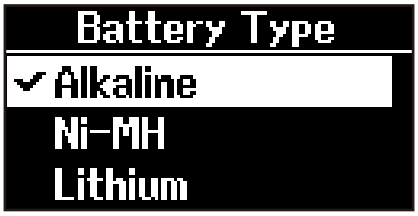
5. Repeat steps 3–4 to set the date and time.

6. After setting all items, use TONE (operation button 2) and COMP (operation button 3) to select OK (OK button on screen), and press AI NOISE REDUCTION (operation button 4) to confirm.



This completes the date and time setting.
Next, set the type of battery being used.

7. Use TONE (operation button 2) and COMP (operation button 3) to select the type of battery used, and press AI NOISE REDUCTION (operation button 4) to confirm.



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

This completes the battery type setting. The Home Screen will open.

Using sound pads

Audio files can be assigned to the SOUND PAD buttons. Press them to play those assigned files. This is convenient for playing interviews that have been recorded in advance, opening and closing music and jingles. The volume and play mode can also be set for each pad.

Assigning audio files to SOUND PAD buttons

Built-in sounds and audio files saved on a microSD card can be assigned to SOUND PAD buttons.
Use a computer to store the audio files in the P4next_SoundPad folder on the microSD card beforehand.
(→ Transferring files to computers)
The following audio file types are supported.

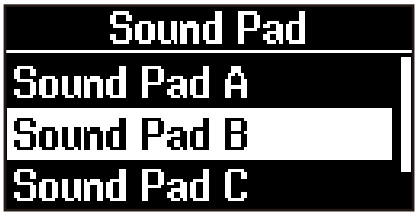
- File format: WAV
- Sample rate: 44.1 kHz, 48 kHz
- Bit depth: 16-bit, 24-bit

> **NOTE**
> Unsupported audio files will not be shown on the P4next.

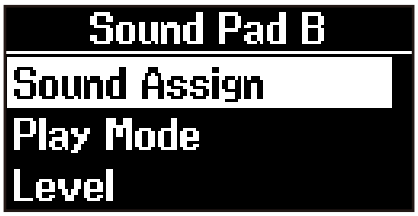
1. Press MENU (operation button 1) on the Home Screen.
This opens the Menu Screen.

2. Use TONE (operation button 2) and COMP (operation button 3) to select “Sound Pad”, and press AI NOISE REDUCTION (operation button 4) to confirm.

3. Use TONE (operation button 2) and COMP (operation button 3) to select the Sound Pad for assignment, and press AI NOISE REDUCTION (operation button 4) to confirm.



4. Use TONE (operation button 2) and COMP (operation button 3) to select “Sound Assign”, and press AI NOISE REDUCTION (operation button 4) to confirm.



A list with the built-in sounds and the audio files saved on the microSD card will be shown.

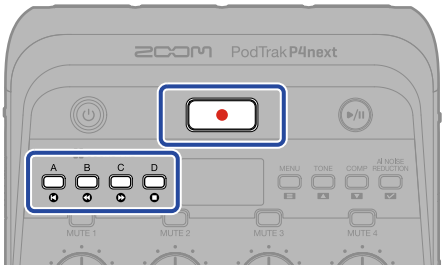
5. Use TONE (operation button 2) and COMP (operation button 3) to select the file to assign, and press AI NOISE REDUCTION (operation button 4) to confirm.

HINT

Press the (PLAY/PAUSE) button to audition the file.

Using the P4next to record audio files for assignment to sound pads

Stereo files mixed and recorded on the P4next can be assigned to sound pads.



1. Prepare to record.

Connect mics to the P4next, and input and mix their sounds to check the sound to be assigned to a sound pad. (→ Adjusting mic levels, Making mic settings, Adjusting the sound)

2. While pressing the ● (record) button, press one of the SOUND PAD buttons (A – D) (operation button A–D)).

The SOUND PAD button (A – D) (operation button A–D)) pressed with the ● (record) button will light and recording will start for the audio file to be assigned to that pad. Input the sound you want to record.

3. Press the ● (record) button.

This stops recording and assigns the recorded audio file to the sound pad.

NOTE

In step 2, pushing a lit sound pad, which already has an audio file assigned, and recording will not overwrite the assigned audio file.

Setting sound pad play modes

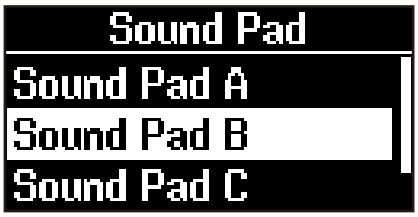
For each SOUND PAD, the play mode used when it is pressed can be set.

1. Press MENU (operation button 1) on the Home Screen.

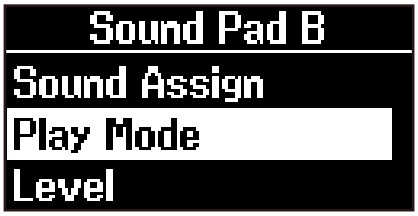
This opens the Menu Screen.

2. Use TONE (operation button 2) and COMP (operation button 3) to select “Sound Pad”, and press AI NOISE REDUCTION (operation button 4) to confirm.

3. Use TONE (operation button 2) and COMP (operation button 3) to select the sound pad for play mode setting, and press AI NOISE REDUCTION (operation button 4) to confirm.



4. Use TONE (operation button 2) and COMP (operation button 3) to select “Play Mode”, and press AI NOISE REDUCTION (operation button 4) to confirm.



5. Use TONE (operation button 2) and COMP (operation button 3) to select the play mode, and press AI NOISE REDUCTION (operation button 4) to confirm.

Setting value	Explanation
One-Shot	Each time the pad is pressed, the file will play once from its beginning to its end and then stop. This is useful for playing jingles and effect sounds, for example.
Pause	Each time the pad is pressed, playback will alternately start and pause. Playback will stop at the end of the file. Pressing and holding (for 2 seconds) when paused will move to the beginning of the file. This is useful when you want to insert a comment during sound pad playback.
Loop	Pressing will start loop playback. Pressing again will stop it. This is useful for background music, for example.
Hold	Loop playback will continue while the pad is being pressed. Playback will stop when it is released. This is useful for playing effect sounds for as long as desired.
Fade Out Short	Pressing will start loop playback. Pressing again will stop it. The sound will fade out for 1 second before stopping.
Fade Out Long	Pressing will start loop playback. Pressing again will stop it. The sound will fade out for 5 seconds before stopping.

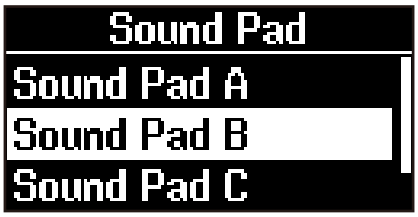
Adjusting sound pad levels

The volume of each sound pad when it is pressed can be set.

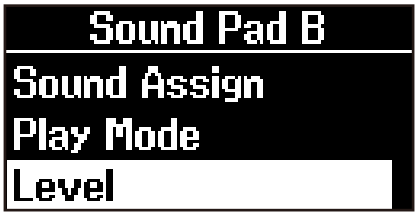
1. Press MENU (operation button 1) on the Home Screen.
   This opens the Menu Screen.

2. Use TONE (operation button 2) and COMP (operation button 3) to select “Sound Pad”, and press AI NOISE REDUCTION (operation button 4) to confirm.

3. Use TONE (operation button 2) and COMP (operation button 3) to select the sound pad for level adjustment, and press AI NOISE REDUCTION (operation button 4) to confirm.



4. Use TONE (operation button 2) and COMP (operation button 3) to select “Level”, and press AI NOISE REDUCTION (operation button 4) to confirm.



5. Use TONE (operation button 2) and COMP (operation button 3) to select the level, and press AI NOISE REDUCTION (operation button 4) to confirm.

The level can be set to Mute or from −48 to +10 dB.

Adjusting all sound pad levels together

The levels of all sound pads when they are pressed can be set at the same time.

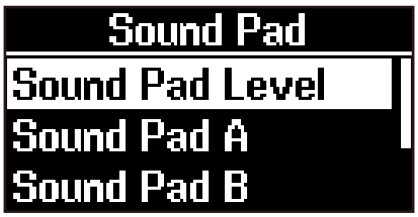
This item can also be set while recording by pressing MENU (operation button 1) to open the settings screen.

1. Press MENU (operation button 1) on the Home Screen.

This opens the Menu Screen.

2. Use TONE (operation button 2) and COMP (operation button 3) to select “Sound Pad”, and press AI NOISE REDUCTION (operation button 4) to confirm.

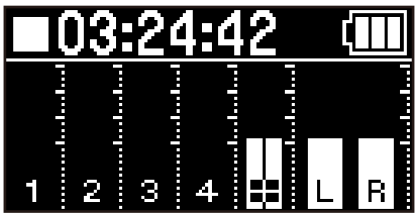
3. Use TONE (operation button 2) and COMP (operation button 3) to select “Sound Pad Level”, and press AI NOISE REDUCTION (operation button 4) to confirm.



4. Use TONE (operation button 2) and COMP (operation button 3) to select the level, and press AI NOISE REDUCTION (operation button 4) to confirm.

The level can be set to Mute or from −48 to +10 dB.

Playing sound pads



1. Press a lit SOUND PAD (A , B , C or D).

This plays the audio file assigned to that SOUND PAD. During SOUND PAD playback, that SOUND PAD button will blink.

Unlit SOUND PAD buttons do not have audio files assigned to them. Assigned audio files might have been deleted.

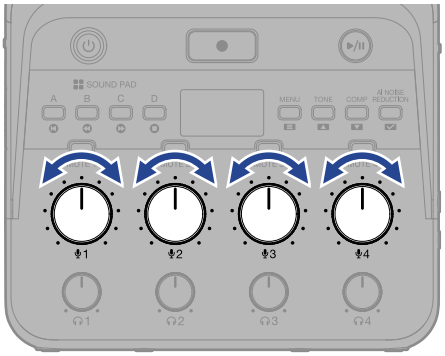
The play mode can also be changed. (→ Setting sound pad play modes)

Levels can also be adjusted separately for each sound pad. (→ Adjusting sound pad levels)

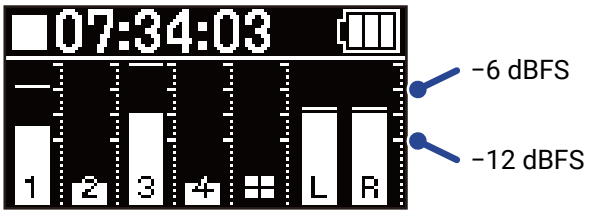
Recording podcasts

Adjusting mic levels

1. Use the (INPUT LEVEL 1) – (INPUT LEVEL 4) knobs to adjust the levels of the mics.



The input levels are shown on the display. While balancing the levels of the channels, adjust them so that the levels are between –12 dBFS and −6 dBFS.



HINT

- A mic level will increase as the distance from the mouth becomes closer and decrease as it becomes farther. When recording, maintain the distances between mics and mouths used when adjusting input levels. (A standard distance between mic and mouth is 10–20 cm.)
- When inputting signals from a smartphone or USB audio return, that channel will be a stereo input and stereo level meters will be shown for it.

Making mic settings

Cutting low frequencies

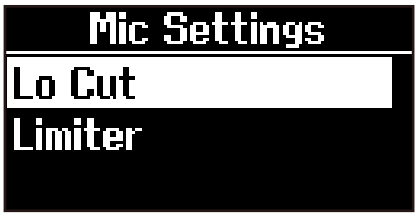
Low frequencies can be cut to reduce the sound of wind and vocal pop noises, for example.
This can be turned on/off separately for each mic. The default setting is ON.

1. Press MENU (operation button 1) on the Home Screen.

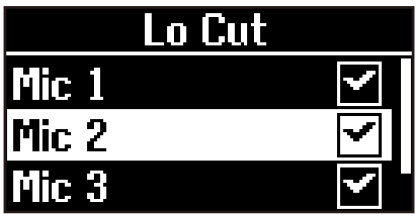
This opens the Menu Screen.

2. Use TONE (operation button 2) and COMP (operation button 3) to select “Mic Settings”, and press AI NOISE REDUCTION (operation button 4) to confirm.

3. Use TONE (operation button 2) and COMP (operation button 3) to select “Lo Cut”, and press AI NOISE REDUCTION (operation button 4) to confirm.



4. Use TONE (operation button 2) and COMP (operation button 3) to select the mic to set, and press AI NOISE REDUCTION (operation button 4) to turn it on or off.



Preventing signal distortion

The limiter can prevent distortion by reducing input signals that have excessively high levels.
This can be turned on/off separately for each mic. The default setting is ON.

1. Press MENU (operation button 1) on the Home Screen.

This opens the Menu Screen.

2. Use TONE (operation button 2) and COMP (operation button 3) to select “Mic Settings”, and press AI NOISE REDUCTION (operation button 4) to confirm.

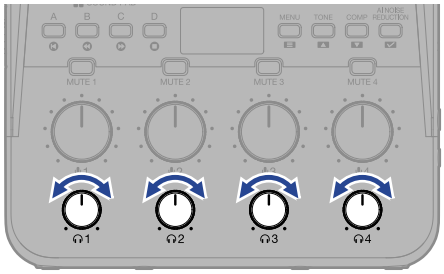
3. Use TONE (operation button 2) and COMP (operation button 3) to select “Limiter”, and press AI NOISE REDUCTION (operation button 4) to confirm.

4. Use TONE (operation button 2) and COMP (operation button 3) to select the mic to set, and press AI NOISE REDUCTION (operation button 4) to turn it on or off.

Adjusting monitoring levels

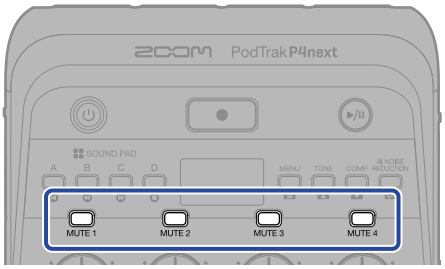
Stereo audio that is a mix of the INPUT 1–4 signals (mono), sound (stereo) input from a computer, smartphone or tablet, and sound pad audio (stereo), can be monitored using headphones connected to the headphone 1–4 jacks. (→ Connecting headphones)

1. Use the (headphone volume 1) – (headphone volume 4) knobs to adjust the monitoring levels.



Muting mics

1. Press the MUTE 1 – MUTE 4 (MUTE 1–4 buttons) to light them.



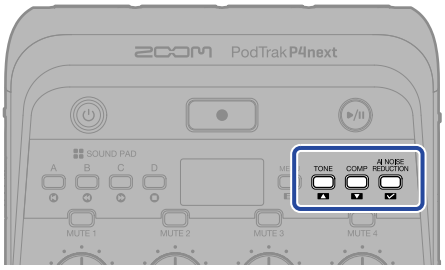
Muting is on for a channel when its button is lit.

Press the MUTE 1 – MUTE 4 (MUTE 1–4 buttons) when lit to unmute them.

Adjusting the sound

Voices captured by 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 TONE (operation button 2), COMP (operation button 3) or AI NOISE REDUCTION (operation button 4) to light it.



These effects are on when lit.

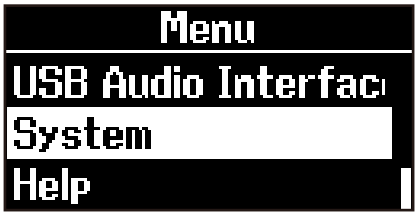
- TONE (operation button 2): This adjusts audio from mics so it sounds clearer and suitable for podcasts.
  This is not applied to audio from the USB input or the smartphone connection jack.
- COMP (operation button 3): This increases the sound pressure while avoiding clipping.
- AI NOISE REDUCTION (operation button 4): This analyzes the surrounding noise and suppress its input through the 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 the ↟1 – ↟4 (INPUT LEVEL 1–4) knobs to change levels, conduct analysis again.
  This is not applied to audio from the USB input or the smartphone connection jack.

Selecting the type of files recorded

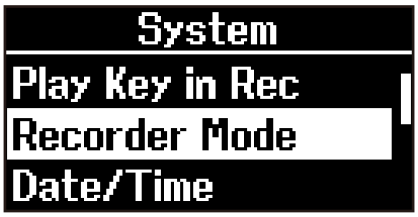
The files saved when recording can be selected.

1. Press MENU (operation button 1) on the Home Screen.
   This opens the Menu Screen.

2. Use TONE (operation button 2) and COMP (operation button 3) to select “System”, and press AI NOISE REDUCTION (operation button 4) to confirm.



3. Use TONE (operation button 2) and COMP (operation button 3) to select “Recorder Mode”, and press AI NOISE REDUCTION (operation button 4) to confirm.



4. Use TONE (operation button 2) and COMP (operation button 3) to select a setting, and press AI NOISE REDUCTION (operation button 4) to confirm.

Setting value	Explanation
Master Only	Sounds from INPUT 1–4, a computer, smartphone or tablet, and the sound pads (stereo) are mixed and saved as a stereo file.
Multi Track	In addition to a stereo file created as for Master Only, sounds from INPUT 1–4 (all mono), a computer, smartphone or tablet (stereo), and the sound pads (stereo) are saved as individual files. We recommend this setting for mixing in a DAW or other app afterward. COMP and AI NOISE REDUCTION are applied to the stereo file and the P4next output, but not to the individual files saved when using Multi Track. (→ Adjusting the sound)

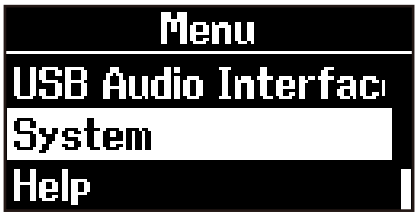
NOTE
For details about recorded files, see “Managing files“.

Changing the function of the PLAY/PAUSE button when recording

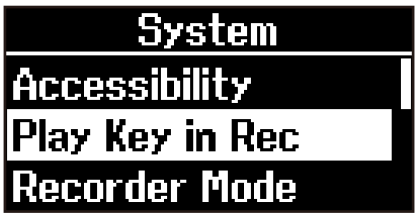
The behavior of the P4next when the (PLAY/PAUSE) button is pressed during recording can be changed.

1. Press MENU (operation button 1) on the Home Screen.
   This opens the Menu Screen.

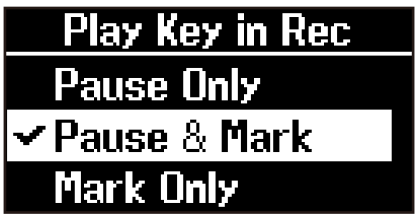
2. Use TONE (operation button 2) and COMP (operation button 3) to select “System”, and press AI NOISE REDUCTION (operation button 4) to confirm.



3. Use TONE (operation button 2) and COMP (operation button 3) to select “Play Key in Rec” and press AI NOISE REDUCTION (operation button 4) to confirm.



4. Use TONE (operation button 2) and COMP (operation button 3) to select the function to assign, and press AI NOISE REDUCTION (operation button 4) to confirm.



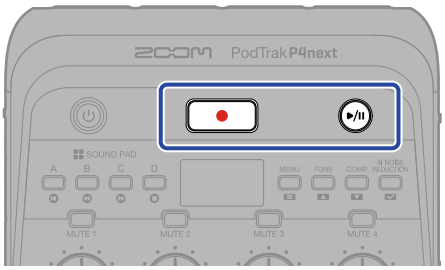
Setting value	Explanation
Pause Only	This pauses recording. Press this again to resume recording.
Pause & Mark	This pauses recording and adds a mark. Press this again to resume recording. A new mark will be added each time this is pressed.
Mark Only	This adds a mark. A new mark will be added each time this is pressed.

Recording

The input signals of each channel, sounds played back when sound pads are pressed (stereo), sound input from a computer, smartphone or tablet, and the master channel signal (stereo) can be recorded as separate files on the microSD card installed in the P4next.

NOTE

- Recorded files are saved in the following format
  - Sample rate: 48 kHz
  - Bit depth: 24-bit
- The Recorder Mode setting can be used to select what files are recorded and saved. (→ Selecting the type of files recorded)
  - Sounds from INPUT 1–4, from a computer, smartphone or tablet, and from the sound pads can be saved separately.
  - Sounds from INPUT 1–4, from a computer, smartphone or tablet, and from the sound pads can be mixed and saved as a stereo file.
- For details about recorded files, see “Managing files“.



1. Press the ● (RECORD) button when the Home Screen is open.

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

NOTE

The P4next power cannot be turned off while recording.

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

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

Pressing the ▶/II (PLAY/PAUSE) button during recording will pause recording (the ● (RECORD) button will blink red). Press the ▶/II (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.
- Recording will stop automatically in the following cases.
  - When the microSD card runs out of space
  - When the batteries run out of power
- The function assigned to the ▶/II (PLAY/PAUSE) button while recording can be set to pause recording and/or add a mark. Pausing recording is assigned by default. (→ Changing the function of the PLAY/PAUSE button when recording)

HINT

- When the INPUT switch is set to 📱, channel 4 will be recorded in stereo.
- 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 P4next power is turned on and the microSD card is recognized.
- The following operations are possible from the Menu Screen when recording.
  - Sound pad level adjustment (→ Adjusting all sound pad levels together)
  - USB level adjustment (→ Adjusting the input level during audio interface use)

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 1 – 4 (HEADPHONE VOLUME 1–4) knobs to adjust the headphone volumes.

NOTE

- The file recorded for the master channel (stereo) will be played. (→ P4next folder and file structure)
- INPUT 1–4, USB input and the sound pads 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.

Operations during playback

Function	Operation	
Pause		Press this to alternately start and pause playback.
Search backward		Press this to move back 10 seconds. Press and hold this to search backward.
Search forward		Press this to move forward 10 seconds. Press and hold this to search forward.
Skip to beginning		Press this to return to the file beginning.
End playback		Press these to end playback.

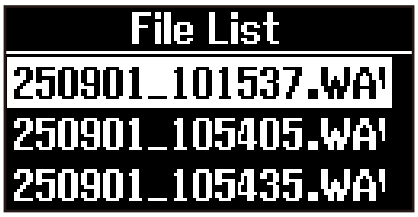
Selecting and playing files

Files recorded by the P4next and file saved on the microSD card can be selected and played.

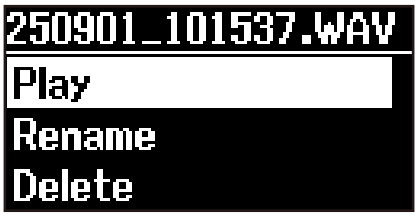
1. Press MENU (operation button 1) on the Home Screen.
   This opens the Menu Screen.

2. Use TONE (operation button 2) and COMP (operation button 3) to select “File List”, and press AI NOISE REDUCTION (operation button 4) to confirm.

3. Use TONE (operation button 2) and COMP (operation button 3) to select the file desired for playback, and press AI NOISE REDUCTION (operation button 4) to confirm.



4. Use TONE (operation button 2) and COMP (operation button 3) to select “Play”, and press AI NOISE REDUCTION (operation button 4) to confirm.



This opens the Playback Screen on the display and starts playback of the selected file.

During playback, the (PLAY/PAUSE) button lights green.

See “Operations during playback” for details about operations when playing back.

NOTE

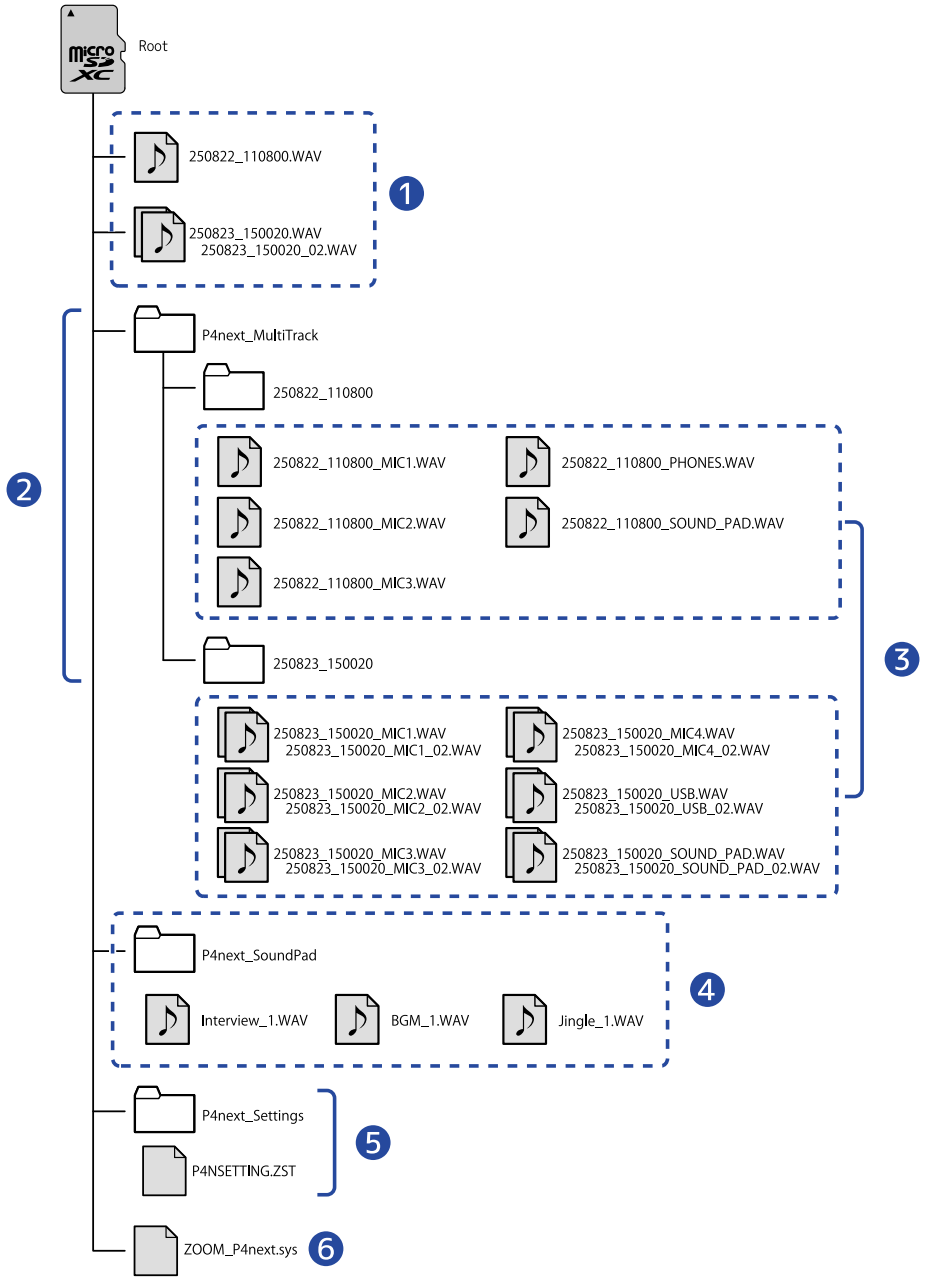
Unsupported audio files will not be shown on the File List Screen.

Managing files

Files created on the P4next will be saved on the microSD card.
Recording files on the microSD card can be checked and deleted.

P4next folder and file structure

The following folder and file types are created when recording with a microSD card formatted by the P4next.



1 Master channel recording files

Signals from INPUT 1–4, a computer, smartphone or tablet, and the sound pads are recorded and saved as mixed stereo files.
File folders are named with a “date_time” format.
If the file size would exceed 2 GB, a second file will be created.

2 MultiTrack folder and recording file folders

When the Recorder Mode setting is “Multi Track”, recording file folders are created inside the MultiTrack folder for each recording.
Recording file folders are named with a “date_time” format.
The mono/stereo files created are saved in these.

3 Recording files for each channel

When the Recorder Mode setting is “Multi Track”, individual files are saved for each channel recording inside the MultiTrack folder.
Files are named with a “date_time_input” format.
Mono/stereo files created are saved.

- MIC1.WAV: Recordings from INPUT 1 signals are saved as mono files.
- MIC2.WAV: Recordings from INPUT 2 signals are saved as mono files.
- MIC3.WAV: Recordings from INPUT 3 signals are saved as mono files.
- MIC4.WAV or PHONES.WAV: When the INPUT switch is set to XLR, recordings from INPUT 4 signals are saved as mono files. When the INPUT switch is set to , recordings from smartphone connection jack signals are saved as stereo files.
- USB.WAV: Recordings of signals from the computer, smartphone or tablet are saved as stereo files.

4 SoundPad folder

This folder stores audio files assigned to sound pads.

5 Settings folder

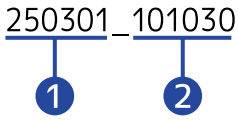
A settings file for the P4next is saved here. Do not delete it.

6 System file

This is a system file used by the P4next. Do not delete it.

Naming of recording file folders

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

Folder name example	Explanation
	❶ Date The date of recording is used in YYMMDD format. ❷ Time The time of recording is used in HHMMSS format.

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 “_02” added to the ends of their names.

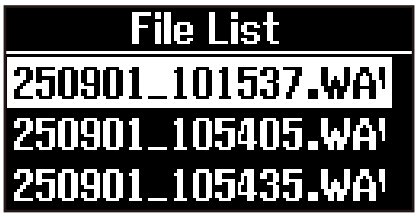
Changing names of recorded files

The names of files recorded by the P4next can be changed.

1. Press MENU (operation button 1) on the Home Screen.
   This opens the Menu Screen.

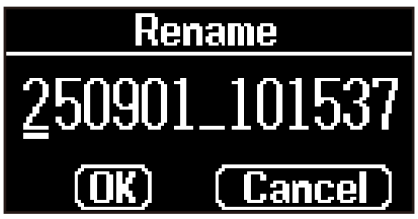
2. Use TONE (operation button 2) and COMP (operation button 3) to select “File List”, and press AI NOISE REDUCTION (operation button 4) to confirm.

3. Use TONE (operation button 2) and COMP (operation button 3) to select the file desired for name changing, and press AI NOISE REDUCTION (operation button 4) to confirm.

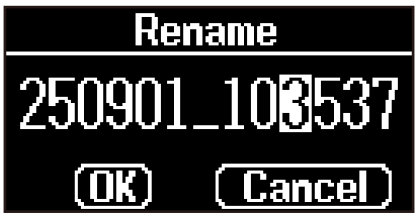


4. Use TONE (operation button 2) and COMP (operation button 3) to select “Rename”, and press AI NOISE REDUCTION (operation button 4) to confirm.

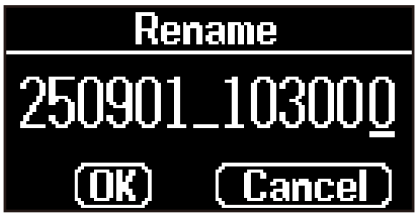
5. Use TONE (operation button 2) and COMP (operation button 3) to select a character to change, and press AI NOISE REDUCTION (operation button 4) to confirm.



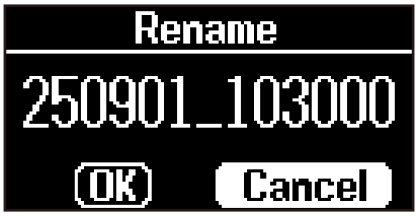
6. Use TONE (operation button 2) and COMP (operation button 3) to change the character, and press AI NOISE REDUCTION (operation button 4) to confirm.



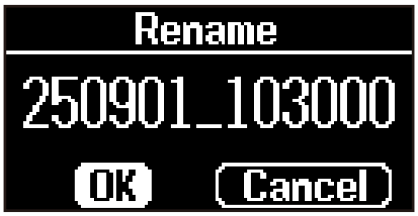
7. Repeat steps 5–6 to change the file name.



8. When finished changing the file name, use MENU (operation button 1) to move the cursor.



9. Use TONE (operation button 2) and COMP (operation button 3) to select “OK”, and press AI NOISE REDUCTION (operation button 4) to end file name changing.



NOTE

- Up to 32 characters can be used in file names.
- The characters and symbols that can be used are as follows.
  ! # $ % & ' ( ) + , - 0-9, ; = @ A-Z, [] ^ _ ` a-z, { } ~ (space)

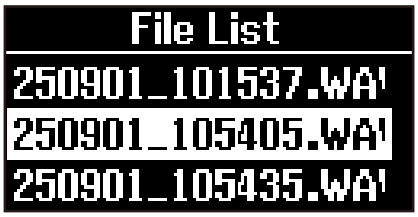
Deleting files

You can delete files that you do not need.

1. Press MENU (operation button 1) on the Home Screen.
   This opens the Menu Screen.

2. Use TONE (operation button 2) and COMP (operation button 3) to select “File List”, and press AI NOISE REDUCTION (operation button 4) to confirm.

3. Use TONE (operation button 2) and COMP (operation button 3) to select the file to be deleted, and press AI NOISE REDUCTION (operation button 4) to confirm.



4. Use TONE (operation button 2) and COMP (operation button 3) to select “Delete”, and press AI NOISE REDUCTION (operation button 4) to confirm.

5. Use TONE (operation button 2) and COMP (operation button 3) to select “Execute”, and press AI NOISE REDUCTION (operation button 4) to confirm.

This deletes the selected file and reopens the File List Screen

Using as an audio interface

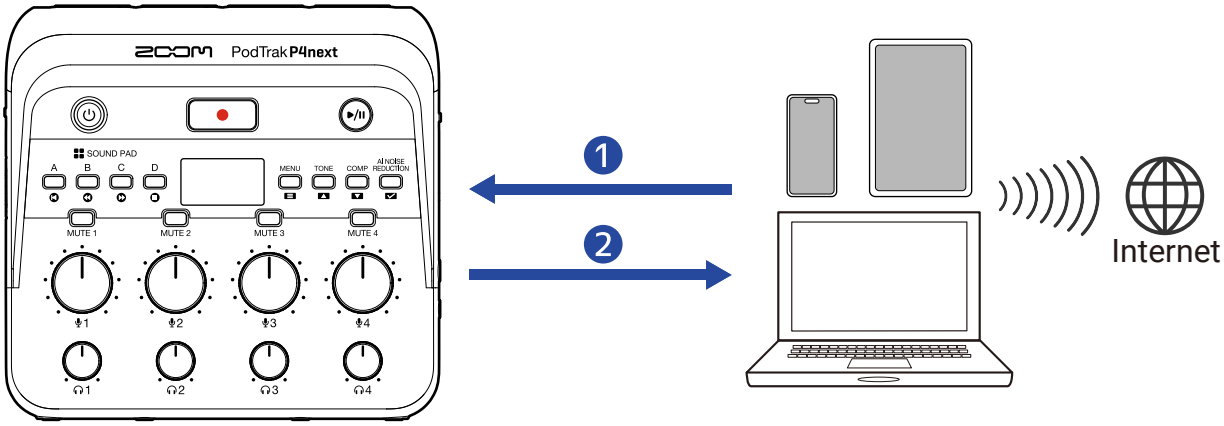
Sounds input to the P4next can be sent to a computer, smartphone or tablet and playback signals from that device can be output from the P4next.

- No driver is necessary for use with Mac computers, smartphones and tablets.
- To record with a DAW application on Windows, see “Using with Windows computers”.

The P4next can be used as a 12-in/2-out audio interface.
INPUT 1–4 (each mono), smartphone connection jack (stereo), sound pads (stereo), USB port (stereo), MASTER (stereo)

Audio is input and output in the following format.

- Sampling rate: 48 kHz
- Bit depth: 24-bit



Using audio interface functions makes the following possible.

1. **Audio input to the P4next**
   Sound from calls as well as music played back on a computer smartphone or tablet can be output from the P4next.

2. **Real-time streaming**
   Sound input from mics to the P4next and sounds played with the sound pads, 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.

Connecting to computers, smartphones and tablets

1. Use a USB cable (Type-C) to connect the P4next with a computer, smartphone or tablet. (→ Connecting computers, smartphones and tablets)

2. Launch an application on the computer, smartphone or tablet, and select “P4next” as the “Audio” or “Input/Output” device.
“ZOOM P4next” 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)

Using with Windows computers

Installing the driver

On Windows, use is possible with DAW applications that support ASIO by installing a driver.

1. Download the “ZOOM P4next Driver” zoomcorp.com/help/p4next to the computer.

> **NOTE**
> The latest ZOOM P4next Driver can be downloaded from the above website.

2. Launch the installer and follow the instructions to install “ZOOM P4next Driver”.

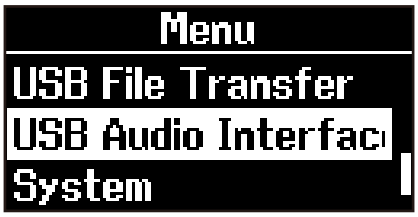
> **NOTE**
> - Do not connect the P4next to the computer during installation.
> - See the Installation Guide included in the driver package for detailed installation procedures.

Setting the signals sent to the computer, smartphone or tablet

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

1. Press MENU (operation button 1) on the Home Screen.
   This opens the Menu Screen.

2. Use TONE (operation button 2) and COMP (operation button 3) to select “USB Audio Interface”, and press AI NOISE REDUCTION (operation button 4) to confirm.



3. Use TONE (operation button 2) and COMP (operation button 3) to select “Mode”, and press AI NOISE REDUCTION (operation button 4) to confirm.

4. Use TONE (operation button 2) and COMP (operation button 3) to select a setting, and press AI NOISE REDUCTION (operation button 4) to confirm.

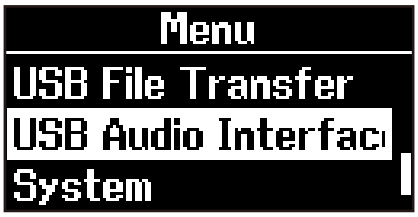
Setting value	Explanation
Stereo Mix	The P4next will send a stereo mix of the audio. Since a mix of the sound from INPUT 1–4 will be sent to USB L/R, this is optimal for streaming audio over the Internet.
Multi Track	Signals from INPUT 1–4 (each mono), the smartphone connection jack (stereo), the sound pads (stereo), the USB port (stereo) and the MASTER (stereo) will be sent separately.

Adjusting the input level during audio interface use

When using the P4next as an audio interface, the input level from the computer, smartphone or tablet can be adjusted.

1. Press MENU (operation button 1) on the Home Screen.
   This opens the Menu Screen.

2. Use TONE (operation button 2) and COMP (operation button 3) to select “USB Audio Interface”, and press AI NOISE REDUCTION (operation button 4) to confirm.



3. Use TONE (operation button 2) and COMP (operation button 3) to select “USB Level”, and press AI NOISE REDUCTION (operation button 4) to confirm.

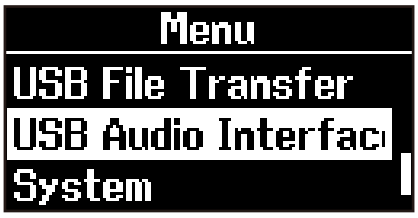
4. Use TONE (operation button 2) and COMP (operation button 3) to select the level, and press AI NOISE REDUCTION (operation button 4) to confirm.
   The level can be set to Mute or from −48 to +10 dB.

Preventing feedback for callers participating remotely in podcast recording

Along with sound input from INPUT 1–4 to the P4next, 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.
The default setting is OFF.

1. Press MENU (operation button 1) on the Home Screen.
   This opens the Menu Screen.

2. Use TONE (operation button 2) and COMP (operation button 3) to select “USB Audio Interface”, and press AI NOISE REDUCTION (operation button 4) to confirm.



3. Use TONE (operation button 2) and COMP (operation button 3) to select “Mix Minus”, and press AI NOISE REDUCTION (operation button 4) to confirm.

4. Use TONE (operation button 2) and COMP (operation button 3) to select a setting, and press AI NOISE REDUCTION (operation button 4) to confirm.

Setting value	Explanation
Off	Sound input by USB is output by USB.
On	Sound input by USB is not output by USB.

Transferring files to computers

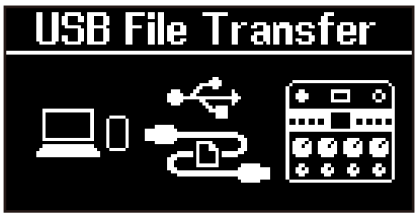
Since the input signals of each channel, the sounds played by pressing the sound pads and the master channel signals are recorded as separate files, they can be transferred to computers, for example. This enables a variety of editing operations afterward, including adjusting the mix, adding effects, and adjusting the length.

1. Press MENU (operation button 1) on the Home Screen.

   This opens the Menu Screen.

2. Use TONE (operation button 2) and COMP (operation button 3) to select “USB File Transfer”, and press AI NOISE REDUCTION (operation button 4) to confirm.

   The USB File Transfer Screen will open.



3. Use a USB cable to connect the P4next with a computer, smartphone or tablet. (→ Connecting computers, smartphones and tablets)

4. Use the computer to transfer the necessary files.

NOTE

Press MENU (operation button 1) and select “Execute” to return to the Home Screen from the USB File Transfer Screen.

Managing microSD cards

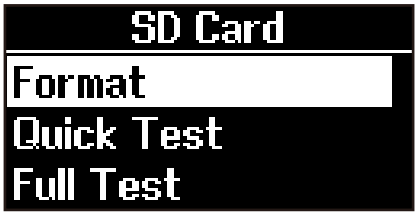
Formatting microSD cards

To maximize the performance of a microSD card, use the P4next to format it.

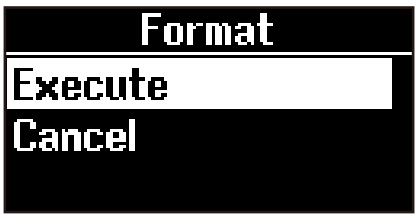
1. Press MENU (operation button 1) on the Home Screen.
   This opens the Menu Screen.

2. Use TONE (operation button 2) and COMP (operation button 3) to select “SD Card”, and press AI NOISE REDUCTION (operation button 4) to confirm.

3. Use TONE (operation button 2) and COMP (operation button 3) to select “Format”, and press AI NOISE REDUCTION (operation button 4) to confirm.



4. Use TONE (operation button 2) and COMP (operation button 3) to select “Execute”, and press AI NOISE REDUCTION (operation button 4) to confirm.



   The microSD card will be formatted.

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.

Testing microSD cards

The writing speed of microSD cards can be tested to check if performance is good enough to save data recorded by the P4next.
A Quick Test can be done in a short amount of time, while a Full Test examines the entire microSD card.

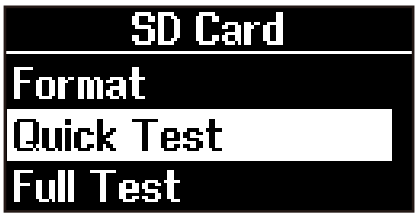
Conducting a quick test

1. Press MENU (operation button 1) on the Home Screen.

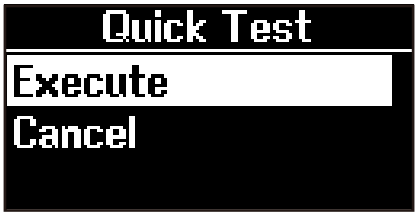
This opens the Menu Screen.

2. Use TONE (operation button 2) and COMP (operation button 3) to select “SD Card”, and press AI NOISE REDUCTION (operation button 4) to confirm.

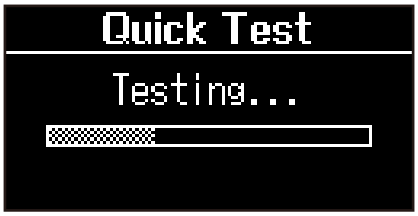
3. Use TONE (operation button 2) and COMP (operation button 3) to select “Quick Test”, and press AI NOISE REDUCTION (operation button 4) to confirm.



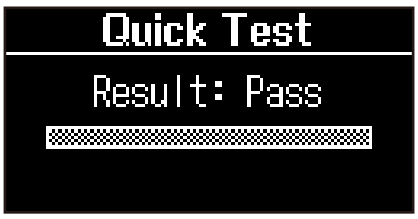
4. Use TONE (operation button 2) and COMP (operation button 3) to select “Execute”, and press AI NOISE REDUCTION (operation button 4) to confirm.



The card performance test will start.



The result of the test will be shown when it completes.



NOTE

Even if a performance test result is "Pass", there is no guarantee that writing errors will not occur. This information is just to provide guidance.

HINT

During a test, MENU (operation button 1) can be pressed to stop it.

5. After the test result appears, press MENU (operation button 1).

This returns to the previous screen.

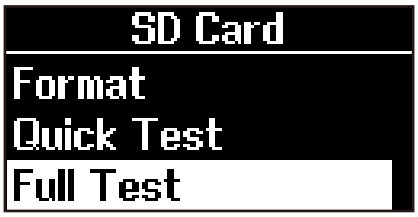
Conducting a full test

1. Press MENU (operation button 1) on the Home Screen.

This opens the Menu Screen.

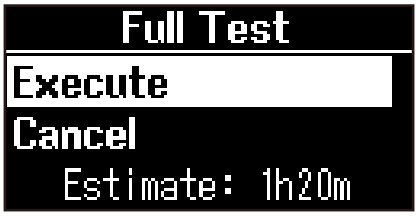
2. Use TONE (operation button 2) and COMP (operation button 3) to select “SD Card”, and press AI NOISE REDUCTION (operation button 4) to confirm.

3. Use TONE (operation button 2) and COMP (operation button 3) to select “Full Test”, and press AI NOISE REDUCTION (operation button 4) to confirm.

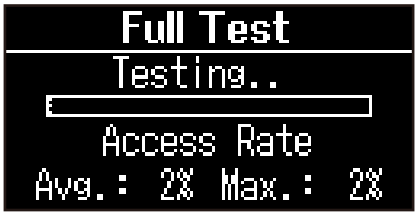


The amount of time required for the full test will be shown.

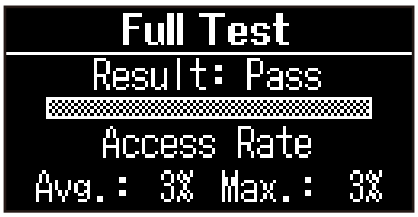
4. Use TONE (operation button 2) and COMP (operation button 3) to select “Execute”, and press AI NOISE REDUCTION (operation button 4) to confirm.



The card performance test will start.



The result of the test will be shown when it completes.
If Access Rate Max. reaches 100%, the card will fail (NG).



NOTE
Even if a performance test result is "Pass", there is no guarantee that writing errors will not occur. This information is just to provide guidance.

HINT
During a test, MENU (operation button 1) can be pressed to stop it.

5. After the test result appears, press MENU (operation button 1).

This returns to the previous screen.

Making various settings

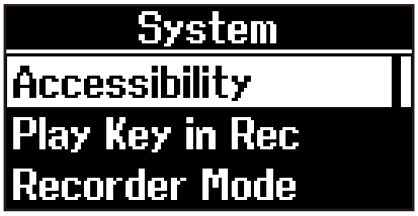
Setting the audio guidance

Use this to adjust the audio guidance output from the headphones.

1. Press MENU (operation button 1) on the Home Screen.
   This opens the Menu Screen.

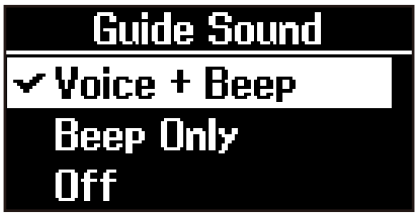
2. Use TONE (operation button 2) and COMP (operation button 3) to select “System”, and press AI NOISE REDUCTION (operation button 4) to confirm.

3. Use TONE (operation button 2) and COMP (operation button 3) to select “Accessibility”, and press AI NOISE REDUCTION (operation button 4) to confirm.



4. Use TONE (operation button 2) and COMP (operation button 3) to select “Guide Sound”, and press AI NOISE REDUCTION (operation button 4) to confirm.

5. Use TONE (operation button 2) and COMP (operation button 3) to select a setting, and press AI NOISE REDUCTION (operation button 4) to confirm.



Setting value	Explanation
Voice + Beep	A voice (in English) and beep sounds will be output.
Beep Only	Only beep sounds will be output.
Off	Nothing will be output.

NOTE

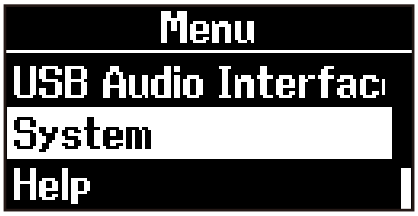
The Guide Sound can also be turned on/off by pressing and holding MENU (operation button 1) when the Home Screen is open.

Setting the audio guidance volume

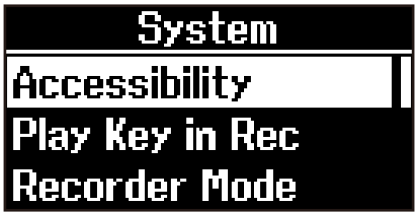
Use this to adjust the volume of the audio guidance output from the headphones.

1. Press MENU (operation button 1) on the Home Screen.
   This opens the Menu Screen.

2. Use TONE (operation button 2) and COMP (operation button 3) to select “System”, and press AI NOISE REDUCTION (operation button 4) to confirm.



3. Use TONE (operation button 2) and COMP (operation button 3) to select “Accessibility”, and press AI NOISE REDUCTION (operation button 4) to confirm.



4. Use TONE (operation button 2) and COMP (operation button 3) to select “Volume”, and press AI NOISE REDUCTION (operation button 4) to confirm.

5. Use TONE (operation button 2) and COMP (operation button 3) to select a setting, and press AI NOISE REDUCTION (operation button 4) to confirm.

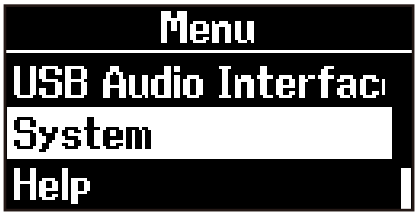
Setting value	Explanation
Quiet	The output sound will be quiet.
Medium	The output sound will be the standard level.
Loud	The output sound will be loud.

Setting the date and time

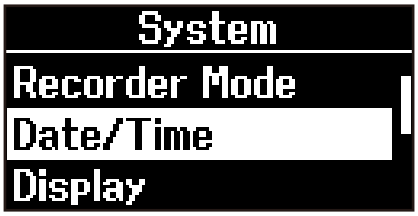
The date and time can be set.

1. Press MENU (operation button 1) on the Home Screen.
   This opens the Menu Screen.

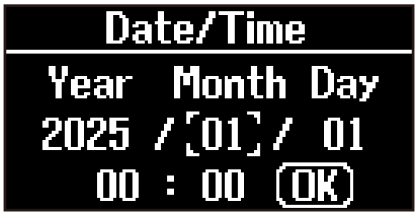
2. Use TONE (operation button 2) and COMP (operation button 3) to select “System”, and press AI NOISE REDUCTION (operation button 4) to confirm.



3. Use TONE (operation button 2) and COMP (operation button 3) to select “Date/Time”, and press AI NOISE REDUCTION (operation button 4) to confirm.



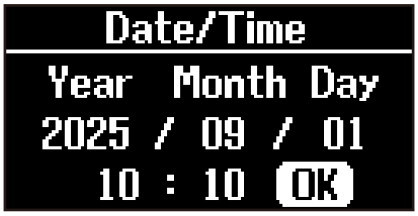
4. Use TONE (operation button 2) and COMP (operation button 3) to select the desired setting item, and press AI NOISE REDUCTION (operation button 4) to confirm.



5. Use TONE (operation button 2) and COMP (operation button 3) to change the value, and press AI NOISE REDUCTION (operation button 4) to confirm.

6. Repeat steps 4–5 to set the date and time.

7. After setting all items, use TONE (operation button 2) and COMP (operation button 3) to select OK (OK button on screen), and press AI NOISE REDUCTION (operation button 4) to confirm.



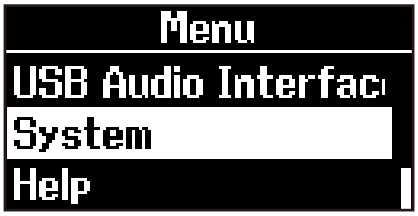
NOTE
If factory default settings are restored (→ Restoring factory default settings), the date and time will be reset, so set them again.

Setting the display brightness

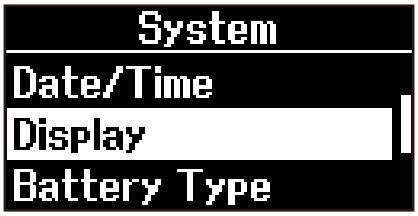
The brightness of the display can be adjusted if it is difficult to see because it is too bright or too dim.

1. Press MENU (operation button 1) on the Home Screen.
   This opens the Menu Screen.

2. Use TONE (operation button 2) and COMP (operation button 3) to select “System”, and press AI NOISE REDUCTION (operation button 4) to confirm.

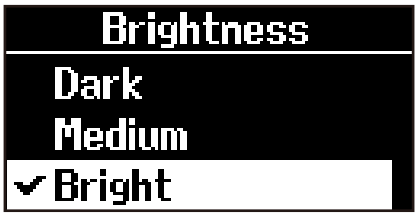


3. Use TONE (operation button 2) and COMP (operation button 3) to select “Display”, and press AI NOISE REDUCTION (operation button 4) to confirm.



4. Use TONE (operation button 2) and COMP (operation button 3) to select “Brightness”, and press AI NOISE REDUCTION (operation button 4) to confirm.

5. Use TONE (operation button 2) and COMP (operation button 3) to select a setting, and press AI NOISE REDUCTION (operation button 4) to confirm.



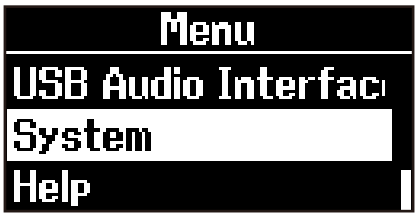
Setting value	Explanation
Dark	The display backlight will always be dark.
Medium	The display brightness will be normal.
Bright	The display will be brighter.

Setting display power saving

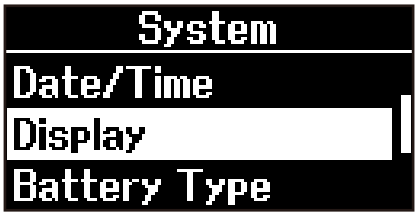
In order to conserve energy, the display backlight can be set to dim if no operation is conducted for a specific amount of time.

1. Press MENU (operation button 1) on the Home Screen.
   This opens the Menu Screen.

2. Use TONE (operation button 2) and COMP (operation button 3) to select “System”, and press AI NOISE REDUCTION (operation button 4) to confirm.



3. Use TONE (operation button 2) and COMP (operation button 3) to select “Display”, and press AI NOISE REDUCTION (operation button 4) to confirm.



4. Use TONE (operation button 2) and COMP (operation button 3) to select “Power Saving”, and press AI NOISE REDUCTION (operation button 4) to confirm.

5. Use TONE (operation button 2) and COMP (operation button 3) to set the power save time, and press AI NOISE REDUCTION (operation button 4) to confirm.

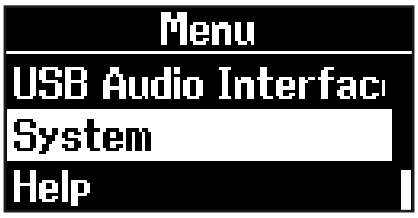
Setting value	Explanation
30 sec, 1 min, 3 min, 5 min	The display backlight will become dark after the set time has elapsed without any operation.
Off	The display backlight brightness will not change.

Setting the type of batteries used

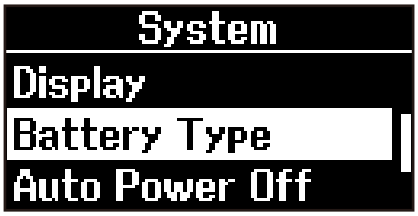
Select the type of battery used by the P4next so that the amount of remaining battery charge can be shown accurately.

1. Press MENU (operation button 1) on the Home Screen.
   This opens the Menu Screen.

2. Use TONE (operation button 2) and COMP (operation button 3) to select “System”, and press AI NOISE REDUCTION (operation button 4) to confirm.



3. Use TONE (operation button 2) and COMP (operation button 3) to select “Battery Type”, and press AI NOISE REDUCTION (operation button 4) to confirm.



4. Use TONE (operation button 2) and COMP (operation button 3) to select the type of battery used, and press AI NOISE REDUCTION (operation button 4) to confirm.

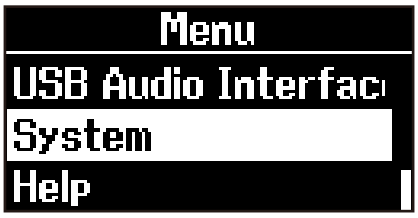
Setting value	Explanation
Alkaline	Alkaline batteries
Ni-MH	Nickel-metal hydride batteries
Lithium	Lithium batteries

Turning the power off automatically (Auto Power Off)

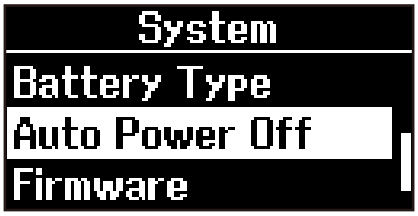
The power will automatically turn off if the P4next is unused for 10 hours.
To keep the power on at all times, set Auto Power Off to “Never”.

1. Press MENU (operation button 1) on the Home Screen.
   This opens the Menu Screen.

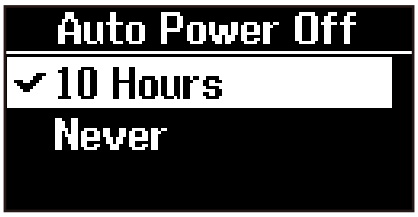
2. Use TONE (operation button 2) and COMP (operation button 3) to select “System”, and press AI NOISE REDUCTION (operation button 4) to confirm.



3. Use TONE (operation button 2) and COMP (operation button 3) to select “Auto Power Off”, and press AI NOISE REDUCTION (operation button 4) to confirm.



4. Use TONE (operation button 2) and COMP (operation button 3) to select the time until the power turns off, and press AI NOISE REDUCTION (operation button 4) to confirm.



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

NOTE

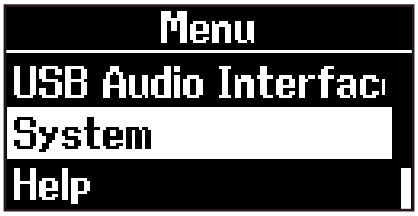
- In the following cases, the power will not turn off automatically regardless of the Auto Power Off Setting.
  - When recording or playing back
  - When using the P4next as an audio interface
  - When using the file transfer function
  - When executing a firmware update
- Operating the P4next will reset the time until the function activates.

Restoring factory default settings

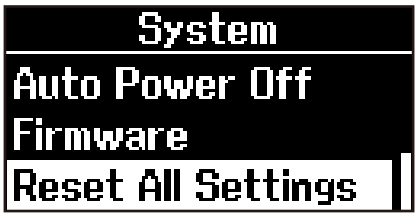
The P4next can be restored to its factory default state.

1. Press MENU (operation button 1) on the Home Screen.
   This opens the Menu Screen.

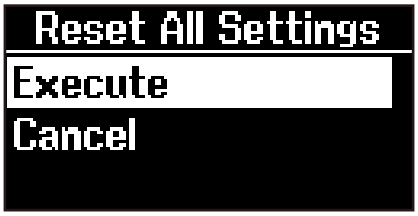
2. Use TONE (operation button 2) and COMP (operation button 3) to select “System”, and press AI NOISE REDUCTION (operation button 4) to confirm.



3. Use TONE (operation button 2) and COMP (operation button 3) to select “Reset All Settings”, and press AI NOISE REDUCTION (operation button 4) to confirm.



4. Use TONE (operation button 2) and COMP (operation button 3) to select “Execute”, and press AI NOISE REDUCTION (operation button 4) to confirm.



   The P4next will be restored to its factory default state.

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

Managing the firmware

Checking firmware versions

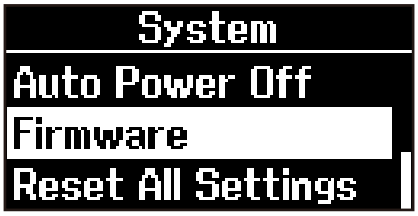
The firmware versions used by the P4next can be checked.

1. Press MENU (operation button 1) on the Home Screen.

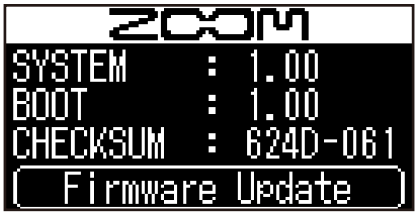
   This opens the Menu Screen.

2. Use TONE (operation button 2) and COMP (operation button 3) to select “System”, and press AI NOISE REDUCTION (operation button 4) to confirm.

3. Use TONE (operation button 2) and COMP (operation button 3) to select “Firmware”, and press AI NOISE REDUCTION (operation button 4) to confirm.



   This shows the firmware versions.



Updating the firmware

The P4next firmware can be updated to the latest versions.
Files for the latest firmware updates can be downloaded from the ZOOM website (zoomcorp.com/help/p4next).
Follow the instructions in the “P4next Firmware Update Guide” on the P4next download page.

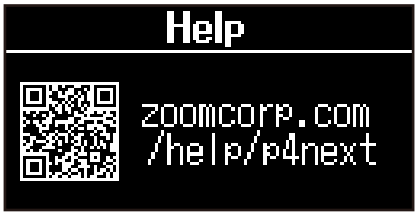
Checking the latest information for the P4next

A 2D code for help related to the P4next can be shown on its display.

1. Press MENU (operation button 1) on the Home Screen.
   This opens the Menu Screen.

2. Use TONE (operation button 2) and COMP (operation button 3) to select “Help”, and press AI NOISE REDUCTION (operation button 4) to confirm.

3. Use a smartphone or tablet to scan the 2D code shown on the Help Screen.



zoomcorp.com/help/p4next

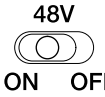
Appendix

Troubleshooting

If the P4next seems to be operating strangely, check the following items first.

General

There is no sound or output is very quiet

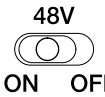
- Check the headphone connection and volume setting. (→ Connecting headphones, Adjusting monitoring levels)
- Check mic connections. (→ Connecting mics)
- When using condenser mics, set the 

(48V) switch to “ON”. (→ Connecting mics)
- Confirm that the 

– 

(MUTE 1–4) buttons for the channels that are not outputting sound are not lit. (→ Muting mics)
- Turn the  –  (INPUT LEVEL 1–4) knobs to raise the levels and confirm that the level meters are moving. (→ Adjusting mic levels)

Recorded audio is too loud, too quiet or silent

- When using condenser mics, set the 

(48V) switch to “ON”. (→ Connecting mics)
- Use the  –  (INPUT LEVEL 1–4) knobs to adjust the levels. (→ Adjusting mic levels)
- Confirm that the  (RECORD) button is lit red when recording.

Recording is not possible

- Confirm that the  (RECORD) button is lit red when recording.
- Confirm that the microSD card has open space.

The recorded audio breaks up

- Use the card testing function on the unit and use a card that passes the test.
  See the Operation Manual for details.
- We recommend using microSD cards that have been confirmed to work with this product.
  See the ZOOM website (zoomcorp.com/help/p4next).

Recording properly is not possible / Stopping recording takes an excessive amount of time

- microSD cards can become worn out. Speed can decrease after repeated writing and erasing.
- Formatting the card with the P4next might improve this. (→ Formatting microSD cards)
- If formatting a microSD card does not improve this, we recommend replacing the card. Please check the list of cards that have been confirmed to work on the ZOOM website.

> **NOTE**
> This is not a guarantee of specific recording performance for microSDHC/microSDXC cards that have been confirmed to work. This list is provided as a guideline to help find suitable cards.

Playback sound cannot be heard or is quiet

- Use the  –  (HEADPHONE VOLUME 1–4) knobs to adjust the volumes. (→ Playing recordings)

Audio files cannot be assigned to SOUND PAD buttons

- Check the format of the assigned audio file. (→ Assigning audio files to SOUND PAD buttons)
- When saving audio files to the microSD card, save them in the P4next_SoundPad folder on the card.

SOUND PAD functions cannot be used

- Check the SOUND PAD levels. (→ Adjusting sound pad levels)
- Confirm that files have been assigned to the pads. (→ Assigning audio files to SOUND PAD buttons)

Audio interface

The P4next cannot be selected or cannot be used on a computer, smartphone or tablet.

- Confirm that the P4next has been connected correctly to the computer or other device. (→ Connecting computers, smartphones and tablets)
- Quit the software that is connected to the P4next. Then, turn the P4next power off and on again.
- Connect the P4next directly to a USB port on the computer or other device. Do not connect it using a USB hub.

Sound skips during playback or recording

- If the audio buffer size of the software being used can be adjusted, increase it.
- Connect the P4next directly to a USB port on the computer or other device. Do not connect it using a USB hub.
- Turn off the automatic sleep function and other power saving settings on the computer or other device.

Cannot play or record

- Confirm that the P4next has been connected correctly to the computer or other device. (→ Connecting computers, smartphones and tablets)
- Confirm that the P4next is selected in the settings of the computer being used.
- Confirm that P4next is set for input and output in the software being used.
- Quit all the software that is connected to the P4next. Then, disconnect and reconnect the USB cable connected to the P4next.

Other trouble

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

- Use the USB ( ) port on the left side of the P4next 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 P4next to allow file transfer to a computer, smartphone or tablet. (→ 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.

Battery operation time is short

Making the following settings could increase the battery operation time.

- Set the type of batteries 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.

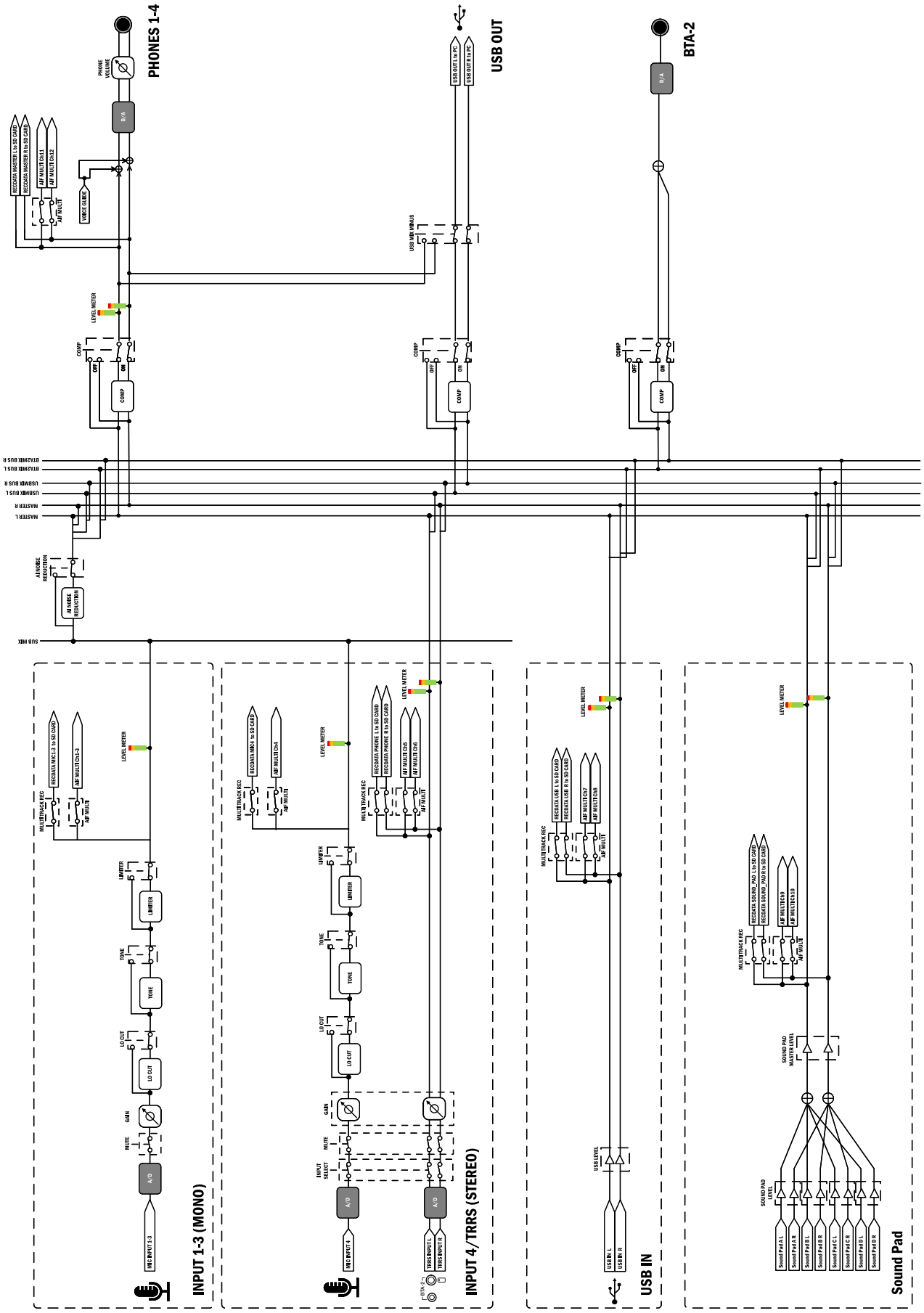
Error message list

This is a list of error messages that might pop-up on the display. Conduct the following measures as necessary.

Pop-up message	Explanation
Read Only!	The file is read only. → Use a computer to change the read-only status of the file.
Invalid File!	The file is damaged or invalid. → Select a valid file.
Card Full!	The microSD card does not have any open space. → Delete unneeded files (→ Deleting files) or replace it with a new microSD card.
File Name Already Exists!	A file with the same name already exists. → Change the file name. (→ Changing names of recorded files)
Input File Name!	Input a file name. → Input a file name. (→ Changing names of recorded files)
Character Limit Reached!	The maximum number of characters has been exceeded. → Reduce the number of characters.
Card Error!	An error occurred with the microSD card. → See Troubleshooting.
No Card!	No microSD card is loaded. → Load a microSD card.
Invalid Card!	The microSD card is invalid. → Load a microSD card in the P4next. (→ Inserting microSD cards)
Card Protected!	The microSD card write-protection is enabled. → Disable protection.
Low Battery!	The remaining battery charge has become low. Replace the batteries with new ones or connect an AC adapter, portable battery or computer, for example, to supply power. (→ Supplying power)
Date/Time Reset!	The date and time setting has been reset. Set the date and time again. (→ Setting the date and time)
No Last Recorded File!	No latest recording file exists. → This appears if the ▶/II PLAY/PAUSE button is pressed on the Home Screen when no file has been recorded.
File Full!	The maximum number of files on the microSD card has been reached. → Delete unneeded files (→ Deleting files) or replace it with a new microSD card.

Pop-up message	Explanation
Now Recording!	The operation is not available when recording. → The power cannot be turned off while recording.
Write Error!	A write error occurred with the microSD card. → See Troubleshooting.
No File!	No files are available. → This appears if “File List” is chosen on the Menu Screen when there are no files on the microSD card.
File Assigned To Sound Pad Missing!	The file assigned to the sound pad cannot be found. →Assign a file to the SOUND PAD. (→ Assigning audio files to SOUND PAD buttons)
Sound Pad Files Will Be Erased!	Formatting will erase files assigned to sound pads. → This appears when files assigned to sound pads are stored on the microSD card before formatting the card.
Low Power! Please Power Off.	The batteries do not have enough remaining charge. Turn off the power. → Turn the power off. Then, replace the batteries with new ones or connect an AC adapter, portable battery or computer, for example, to supply power. (→ Supplying power)

Block diagram



Specifications

Numbers of input and output channels	Inputs	INPUT (mono/stereo)	4
	Outputs	HEADPHONE (stereo)	4
Inputs	INPUT	Connectors	XLR jacks × 4 (XLR: 2 HOT)
		Input gain	−∞ – +70 dB
		Input impedance	3 kΩ or more
		Maximum input level	0 dBu
		Phantom power	+48 V
	Smartphone connection jack	Connector	TRRS mini jack (4 contacts, TIP: L, RING: R, RING: GND, SLEEVE: MIC)
		Input impedance	2.7 kΩ or more
		Maximum input level	+3 dBu
		Output impedance	100 Ω or less
		Maximum output level	−24 dBu
Outputs	HEADPHONES	Connectors	Stereo mini jack × 4
		Maximum output level	6 mW + 6 mW (per output into 32Ω load)
		Output impedance	10 Ω or less
Effects			TONE COMP AI NOISE REDUCTION
Recorder		Maximum simultaneous recording tracks	11
		Maximum simultaneous playback tracks	2
		Recording formats	48kHz/24-bit WAV Stereo/mono
		Recording media	microSDHC memory cards microSDXC memory cards See the ZOOM website (zoomcorp.com/help/p4next) for information about microSD cards that have been confirmed to work with this unit.

USB ( )	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	12 in, 2 out
		Sampling frequency	48 kHz
		Bit depth	24-bit
	File transfer		USB 2.0 High Speed
Equivalent input noise			EIN –125 dBu or less (IHF-A) at +70dB/150Ω input
Display			128×64 OLED
Power		Batteries	2 AA batteries (alkaline, lithium, or rechargeable NiMH)
		USB (DC5V) power port USB ( ) 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 times 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. • When using condenser mics, we recommend using nickel-metal hydride rechargeable batteries or lithium batteries.		Dynamic mics connected to INPUT 1–4 jacks, Multi Track mode, USB audio interface not used, 48V (phantom power) off, headphones connected to headphones 1–4 jacks (32Ω loads), Power Saving set to 1 min, INPUT switch set to XLR, BTA-2 not used	Alkaline batteries: about 3.5 hours NiMH batteries: about 4 hours Lithium batteries: about 8.5 hours
		Condenser mics connected to INPUT 1–4 jacks, Multi Track mode, USB audio interface not used, 48V (phantom power) on, headphones connected to headphones 1–4 jacks (32Ω loads), Power Saving set to 1 min, INPUT switch set to XLR, BTA-2 not used	Alkaline batteries: about 20 minutes NiMH batteries: about 1.5 hours Lithium batteries: about 2.5 hours
Power consumption			5 W maximum
Dimensions			125.9 mm (W) × 120 mm (D) × 40 mm (H)
Weight (including batteries)			300 g

Note: 0 dBu = 0.775 Vrms

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