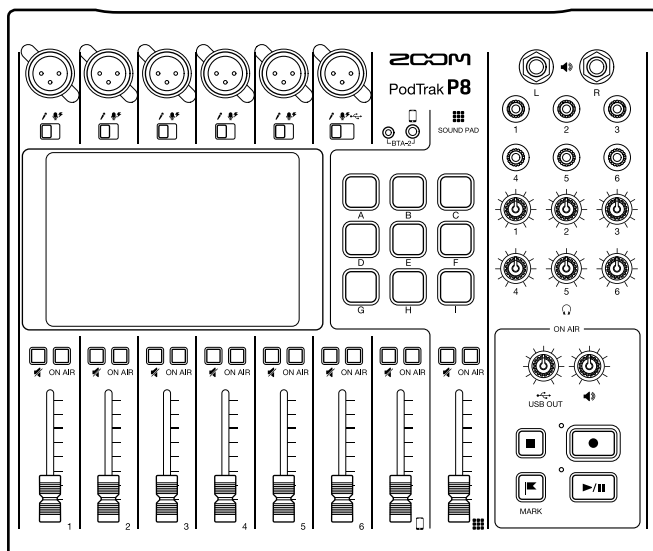


# ZOOM®

# P8

## PodTrak



## Quick Guide

You must read the Usage and Safety Precautions before use.



The Operation Manual can be downloaded from the ZOOM website ([www.zoom.jp/docs/p8](http://www.zoom.jp/docs/p8)). This page has files in PDF and ePub formats.  
The PDF file format is suitable for printing on paper and reading on a computer.  
The ePub format can be read with electronic document readers and is designed for reading on smartphones and tablets.

© 2020 ZOOM CORPORATION

Copying or reprinting this manual in part or in whole without permission is prohibited.

Product names, registered trademarks and company names in this document are the property of their respective companies. All trademarks and registered trademarks in this document are for identification purposes only and are not intended to infringe on the copyrights of their respective owners.

You might need this manual in the future. Always keep it in a place where you can access it easily.

The contents of this manual and the specifications of the product could be changed without notice.

## Podcasting with the P8

### 1. Record

Using the **P8**, podcasts can be recorded as follows.

- Podcasts with up to 6 people can be recorded. (6 mics and 6 pairs of headphones can be connected at the same time.)
- The clarity of voices can be enhanced using various additional functions (Limiter, Low Cut, Tone, Comp/DeEsser and Noise Reduction).
- Jingles and interview sounds can be triggered using **SOUND PAD** buttons.
- By connecting a smartphone, guests in remote locations can participate in podcasts.
- Background music can be played from a computer, for example, using the **USB audio return** function.
- Podcasts can be created easily using stereo files for podcasting.
- Fine adjustments to volume can be made on a computer, for example, using multitrack files.

### 2. Edit

The **P8** can be used to edit recorded stereo files for podcasting in the following ways.

- Unnecessary parts can be cut, and fade ins/outs can be added.
- Background music can be added.
- Openings and closings that have been prepared in advance can be attached to the beginnings and ends.
- The loudness normalization function can level the volume ideally for podcasting.
- Files can be converted to MP3s.

### 3. Release

Edited files can be transferred to a computer, for example, using the **USB FILETRANSFER** mode. Upload them to the podcasting service\* or server you are using.

\* Services that provide servers for saving podcast files

## Explanation of terms

### USB audio return

This is the output from a computer, smartphone or tablet that is being used as an audio interface. Background music can be played from a computer or other device during podcasting.

### SOUND PAD buttons

Audio files can be assigned to these. Press one to play the assigned file. These are convenient to play opening and closing music as well as interviews that have been recorded in advance.

### USB Mix Minus

When using the **P8** as an audio interface, signals input by USB can be set to not be output back to USB. This can prevent feedback to the person at the other end when recording while calling through a computer, smartphone or tablet.

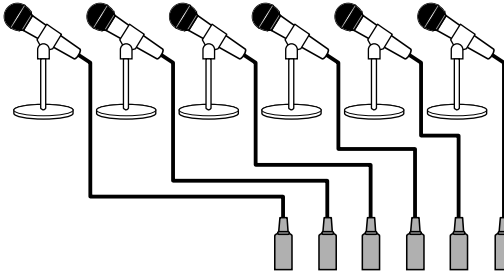
### ON AIR buttons

When ON AIR buttons are turned off, input sounds are not output to the USB port (streaming audio) or **SPEAKER OUT** jacks, nor are they recorded to the podcast stereo file. This function is convenient, for example, when participants are discussing the next topic among themselves while music is playing.

# Connection examples

## Mics

Dynamic and condenser mics

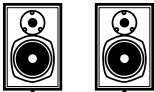


## Smartphone

Guests can participate by phone during podcasting.

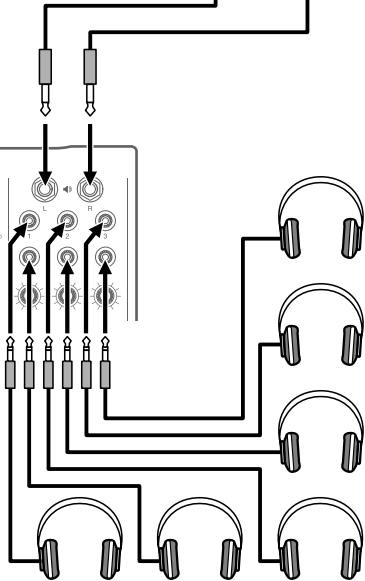
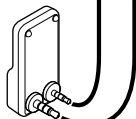


## Speakers with built-in amplifiers



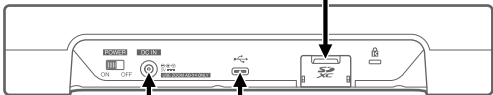
## Wireless adapter (ZOOM BTA-2)

This enables wireless connection to smartphones and tablets.



## Headphones

## SD card



USB Type-C port

## AC adapter (ZOOM AD-14)

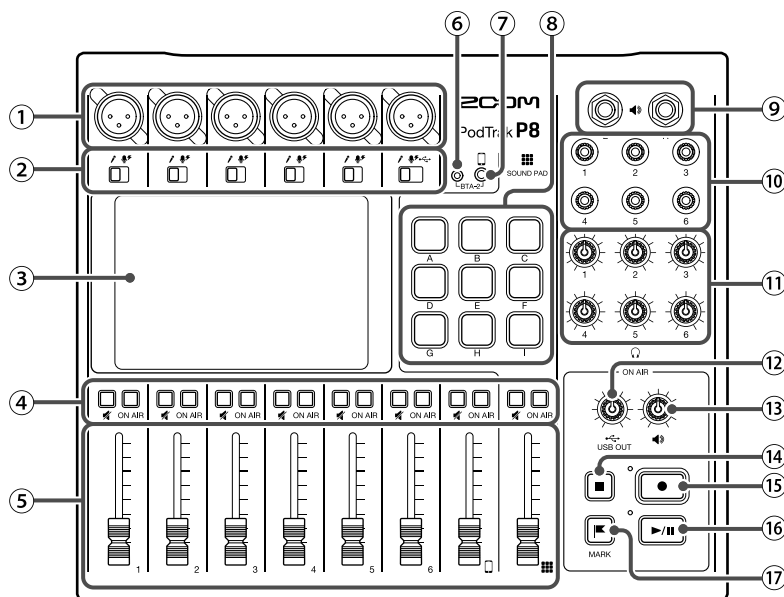


## Computer, smartphone or tablet

Using the audio interface function, audio can be shared with a computer, for example, and recordings on the SD card can be transferred for editing. This might not be usable with some communication apps.

# Functions of parts

## ■ Top



### ① INPUT jacks

These input jacks have built-in mic preamps.

### ② INPUT SELECT switches

Set these according to the connected equipment.



Dynamic mic



Condenser mic (supplies +48 V phantom power)



USB audio return signal output from computer, smartphone or tablet

### ③ Touchscreen

This shows the status of the **P8**, and can be operated by touch to make various settings and edit files.

### ④ MUTE button

Press to mute (lit) and unmute (unlit) signals. To mute signals, press these buttons to light them.

#### ON AIR buttons

When lit, channel signals are recorded in the podcast stereo file and sent to the USB port,

SPEAKER OUT jacks, PHONES jacks and smartphone connection jack.

When unlit, channel signals are only sent to the PHONES jacks and smartphone connection jack.

### ⑤ Channel faders

Use to adjust channel signal levels in ranges from  $-\infty$  to +10 dB.

### ⑥ Power supply connector for BTA-2

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

### ⑦ Smartphone connection jack

Connect a smartphone here.

### ⑧ SOUND PAD A-I buttons

Press these to play the sounds assigned to them.

### ⑨ SPEAKER OUT jacks

These output a stereo mix of the signals from all the channels. Connect them to a power amplifier, a PA system or speakers with built-in amplifiers, for example.

#### ⑩ PHONES jacks

These output a stereo mix of the signals from all the channels. Connect headphones to these.

#### ⑪ PHONES knobs

Use to adjust the volumes of the signals output from the PHONES jacks.

#### ⑫ USB OUT knob

Use to adjust the volume of the signal output from the USB port.

#### ⑬ SPEAKER OUT knob

Use to adjust the volume of the signals output from the SPEAKER OUT jacks.

#### ⑭ STOP button

Press to stop recording/playback.

#### ⑮ REC button

Press to start/stop recording.

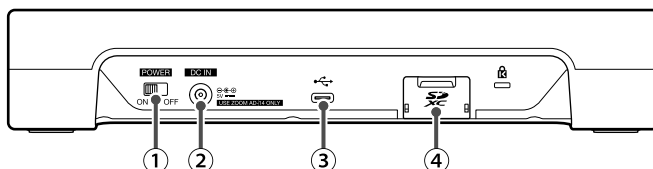
#### ⑯ PLAY/PAUSE button

Press to play/pause recorded files.

#### ⑰ MARK button

Press to add marks to recording files during recording/playback. These provide editing guides.

## ■ Back



#### ① POWER switch

Press to turn the power ON/OFF.

#### ② DC IN 5V AC adapter connector

Connect the included AC adapter here.

#### ③ USB Type-C port

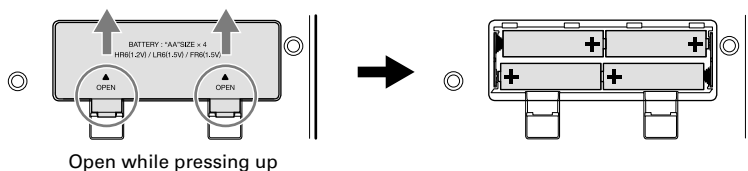
This USB port is for connecting with a computer, smartphone or tablet.

#### ④ SD card slot

Cards that conform to SDHC and SDXC specifications are supported. Format the SD card with the **P8** before use.

## Installing batteries

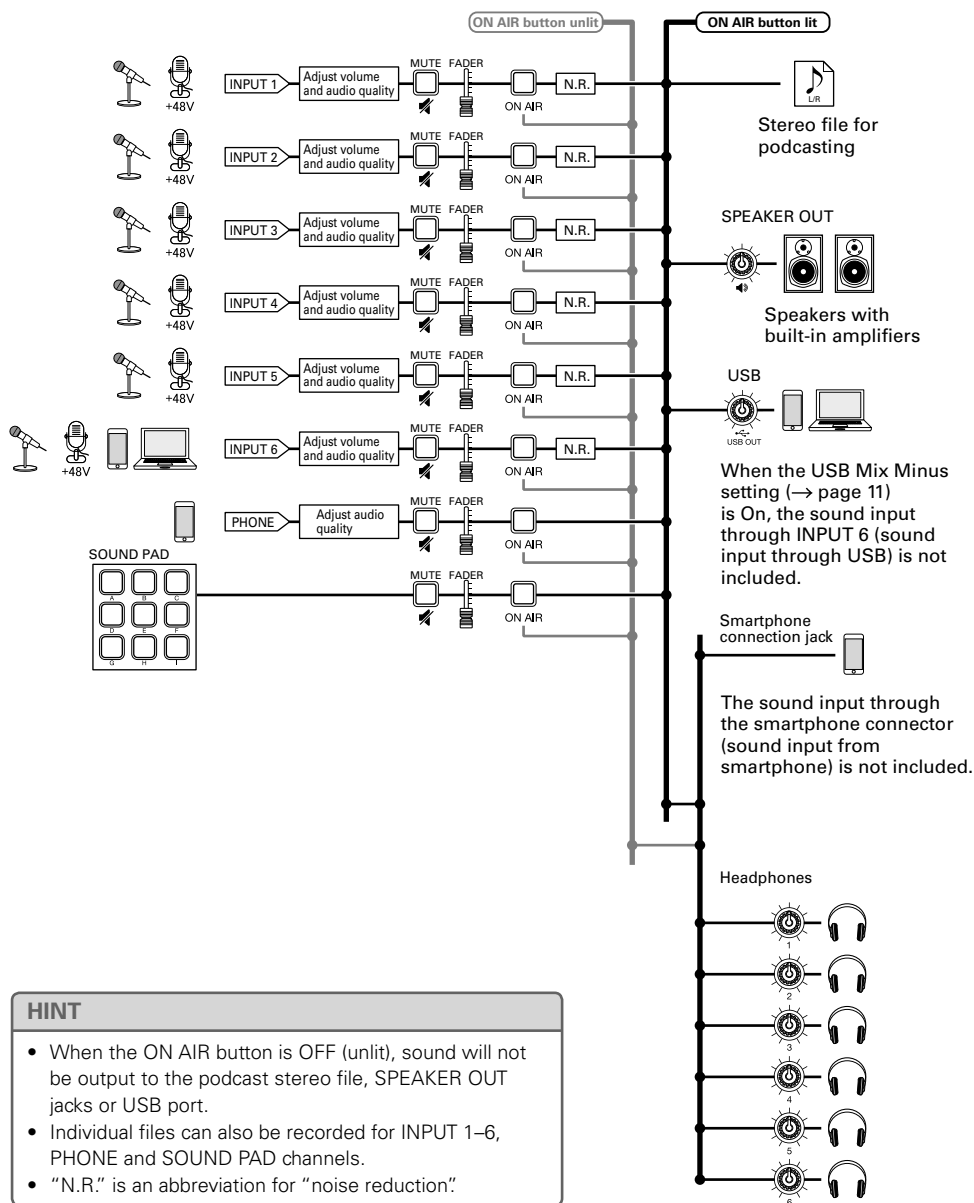
To run the **P8** on battery power, open the battery compartment cover on the bottom and install 4 AA batteries.



### NOTE

- Use only one type of battery (alkaline, NiMH or lithium) at a time.
- Set the type of battery used correctly so that the amount of remaining battery charge can be shown accurately.
- The battery charge can be checked on the Home Screen.

# Signal flow



## HINT

- When the ON AIR button is OFF (unlit), sound will not be output to the podcast stereo file, SPEAKER OUT jacks or USB port.
- Individual files can also be recorded for INPUT 1–6, PHONE and SOUND PAD channels.
- “N.R.” is an abbreviation for “noise reduction.”

# Touchscreen operations

## ■ Home Screen overview

This appears on the touchscreen when the **P8** power is turned on. This shows the state of the **P8**, including recording conditions and input levels. In addition, various functions can easily be accessed by tapping buttons on it.

### Status icon

This shows the recorder status.

- Recording
- Recording paused
- Mark added
- Remaining Time
- Recording stopped

### Counter

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

### Date and time

Use to make settings related to the date/time and display language.

### SD card button

Use to make settings related to the SD card.

### Power button

Use to make settings related to the power.

- Powered by AC adapter:
- Powered by USB:
- Powered by batteries:

### Library button

This shows files on the SD card, and enables file management and editing.

### Level meters

These show the output levels of each channel and the stereo mix for podcasting.

### Track buttons

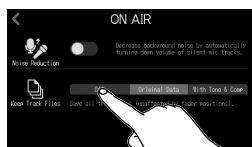
Use these to make input settings for each channel, including mic settings and audio quality adjustments. The icons depend on the selected input type.

### ON AIR settings button

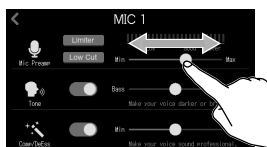
Use to turn Noise Reduction ON/OFF and make recording track settings.

## ■ Using various screens

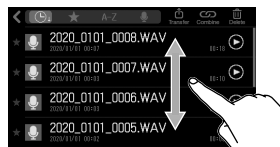
Operate by tapping and sliding.



Tap to select or turn on/off



Slide to adjust (move left/right while touching)

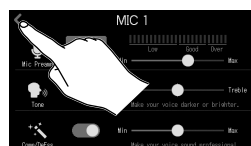


Slide to scroll items (move up/down while touching)

## ■ Returning to the previous screen

Tap at the top left of the screen.

To return to the Home Screen, tap repeatedly until it appears.



### HINT

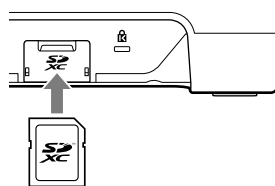
In this Quick Guide, item names on the touchscreen are shown with a gray background.  
Example: Noise Reduction

## Making preparations

### ■ Inserting SD cards

With the power off, open the SD card slot cover, and insert an SD card all the way into the slot.

To remove an SD card, push it further into the slot and then pull it out.

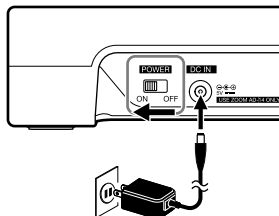


#### NOTE

- Inserting or removing an SD card while the power is on could result in data loss.
- Before using SD cards that have just been purchased or that have been formatted on a computer, they must be formatted by the **P8**.

### ■ Turning the power on


Before operating the POWER switch, confirm that the **P8** output volume is minimized and that devices connected to it are turned off.




1. Plug the specified adapter (AD-14) into an outlet.

2. Set  to ON.

This turns the power on and opens the Home Screen on the touchscreen.

To turn the power off, set  to OFF.

#### NOTE

If you want the power to stay on always, turn the power on while pressing SOUND PAD , and disable **Auto Power Off**.

### ■ Setting the date/time and language

The first time the power is turned ON after purchase, a screen where the date/time and language can be set opens on the touchscreen.



The date/time and language settings can be changed later by tapping the date/time on the Home Screen.



■ **Setting noise reduction and recording file types**

After setting the date/time and language, the noise reduction on/off and recording file type settings screen opens.

**Noise Reduction on/off setting**

When multiple mics are being used to record sound, the noise reduction function of the **P8** suppresses background noise to a constant level by automatically reducing the levels of the mic inputs not being used by people.

**Recording file settings**

- Off:** Only record podcast stereo files.
- Original Data:** In addition to podcast stereo files, also record the input signals of each channel to separate files on the SD card at the same time.
- With Tone & Comp:** In addition to podcast stereo files, also record the input signals of each channel after adjustment to separate files on the SD card at the same time.

The noise reduction and recording file settings can be changed later by tapping **ON AIR** on the Home Screen.

■ **Connecting mics**

**Mic**

Use a mic cable (with an XLR connector) to connect to input jacks 1–6.

2: HOT      1: GND  
3: COLD

**INPUT SELECT switches 1–6**

Set to when using a dynamic mic or to when using a condenser mic. Gain will be set suitably for the selection.

**Track buttons 1–6**

Tap to adjust mic gain and audio quality (→ page 11).

**MUTE buttons 1–6**

Confirm that these are not lit.

**ON AIR buttons 1–6**

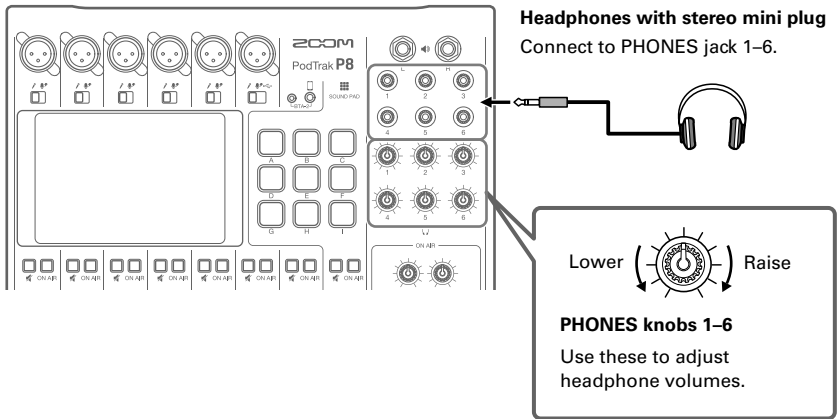
Confirm that these are lit.

ON AIR

**NOTE**

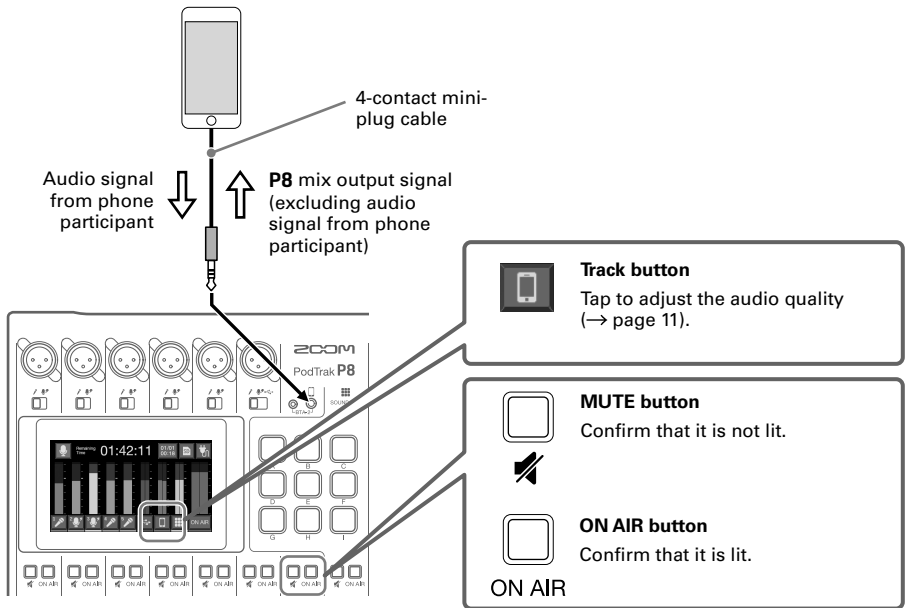
When an INPUT SELECT switch is set to , +48V phantom power is supplied to that input jack. When connecting a device that is not compatible with phantom power, do not set the INPUT SELECT switch to . Doing so could damage the device.

## ■ Connecting headphones



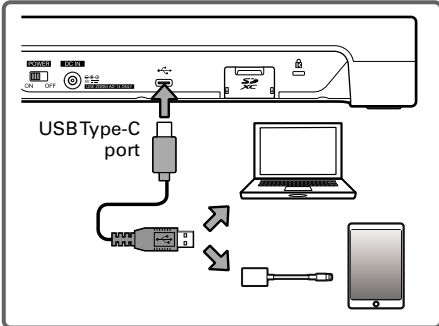
## ■ Connecting smartphones

When podcasting, the voice of a guest participating by phone can be input. By using a 4-contact mini-plug cable, a 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 the smartphone, guests participating by phone will not have an echo.

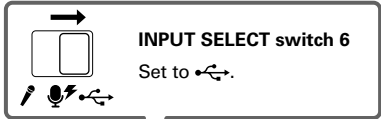



■ **Connecting a computer, smartphone or tablet by USB**

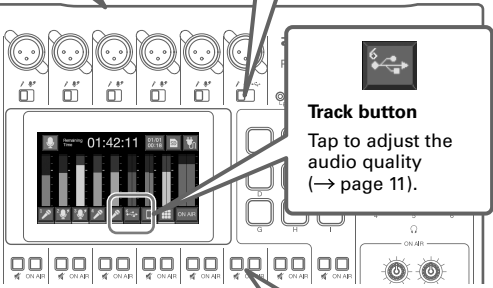
Using the audio interface function, music, interviews and other audio played back on a computer, for example, can be input through channel 6. Sound input through the **P8** and sound played with **SOUND PAD** buttons can also be streamed live directly. Audio recorded on SD cards can also be transferred for editing (→ page 13).




USB Type-C port



**INPUT SELECT switch 6**  
Set to .



**Track button**  
Tap to adjust the audio quality (→ page 11).




**MUTE button 6**  
Confirm that it is not lit.

**ON AIR button 6**  
Confirm that it is lit.





**NOTE**



- Use a Lightning to USB Camera Adapter (or Lightning to USB 3 Camera Adapter) to connect to an iOS/iPadOS device with a lighting connector.
- Before connecting a smartphone or tablet, enable **Tablet Mode** on the **POWER** settings screen.

**HINT**

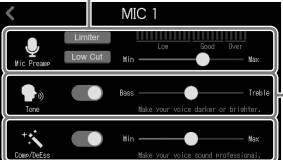
Output to the USB port is possible even when INPUT SELECT switch 6 is not set to .

■ **Adjusting audio quality on individual tracks**

Tap track buttons  /  /  /  on the Home Screen to open their individual settings screens where audio quality can be adjusted.


 /  **Mic input settings**

Set **Limit** and **Low Cut**, and adjust mic gain.

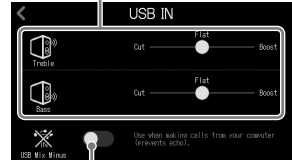


Adjust **Comp/DeEss**.


Adjust **Tone**.

 **USB input settings**

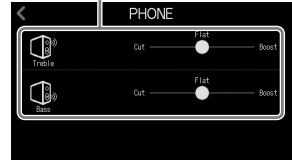
Adjust **Treble** and **Bass** boost/cut amounts.



**USB Mix Minus setting**  
When on, sound from USB input is not output by USB.

 **Smartphone input settings**

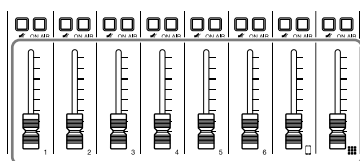
Adjust **Treble** and **Bass** boost/cut amounts.



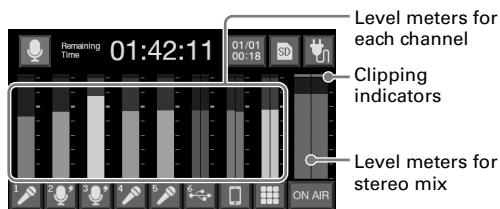
# Recording

## ■ Using faders to adjust the balance between channels

Adjust them so that the stereo mix clipping indicators do not light.



Adjust output of each channel.




## ■ Recording

Files can be recorded to the SD card according to the settings made in “Setting noise reduction and recording file types” (→ page 9).


### 1. Press .

Recording will start and the REC indicator will light red.

Press  when recording to pause recording. (The REC indicator will blink). Press again to resume recording. The elapsed recording time will be shown on the Home Screen.

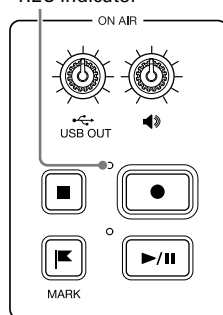
### 2. Press or .

Recording will stop.

Press  during recording to add marks to recording files. These are convenient as guides when editing.

Fader volume adjustments do not affect the individual files of the recorded channels.

REC indicator





# Playing recordings

Recorded files can be played back.

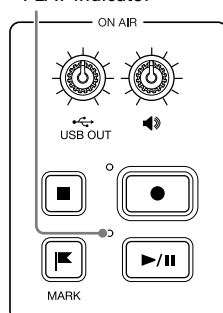
### 1. Press .

The file editing screen appears on the touchscreen and the most recently recorded file starts playing. (The PLAY indicator lights green.)

Press  to start/pause playback alternately. (The PLAY indicator will blink when paused.) Press  to stop playback.



On the file editing screen, in addition to editing, icons and names can be changed, and files can be assigned to SOUND PAD buttons, for example.

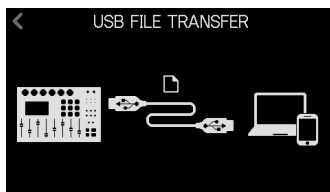
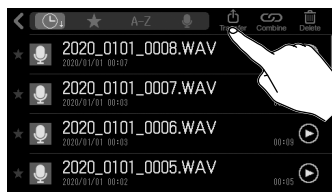
PLAY indicator



# Transferring files to a computer, smartphone or tablet

## ■ Connecting

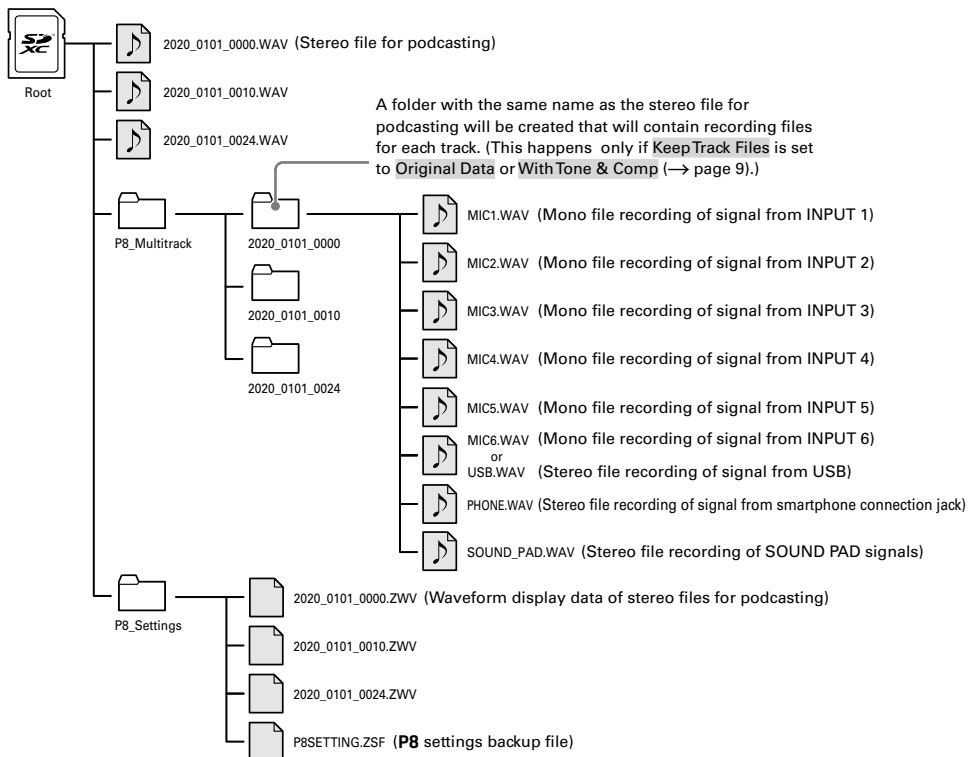
1. Tap  on the Home Screen.
2. Tap .



3. Use a USB cable to connect the **P8** with a computer, smartphone or tablet (→ page 11).

## ■ P8 folder and file structure

When recording with the **P8**, folders and files are created on SD cards in the following manner.



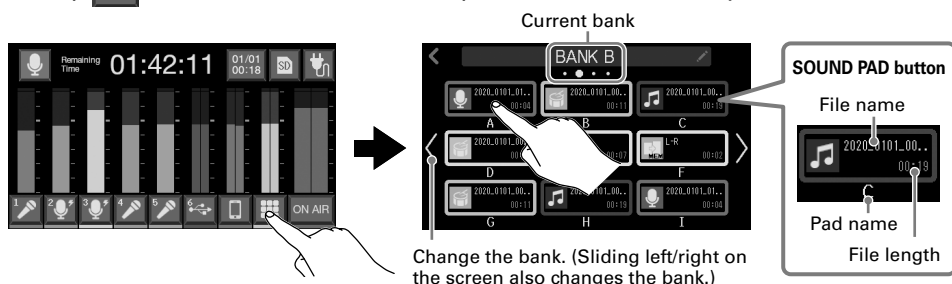
# Using SOUND PAD functions

Audio files can be assigned to the SOUND PAD buttons. Press one to play the assigned file. The 9 SOUND PAD buttons can have audio files assigned in 4 banks, for a total of 36 files. These are convenient to play opening and closing music, jingles and interviews that have been recorded in advance. The volume and playback method can be set for each pad.

## ■ Making SOUND PAD settings

Audio files can be assigned to SOUND PAD buttons and their volume and playback methods can be set individually.

1. Tap  on the Home Screen, and tap the SOUND PAD that you want to set.



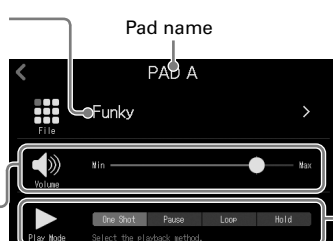
2. Making SOUND PAD settings

### Assigning audio files

Tap a file name to open a list of built-in sound sources and audio files stored on the SD card. Select the audio file you want to assign.

### SOUND PAD volume adjustment

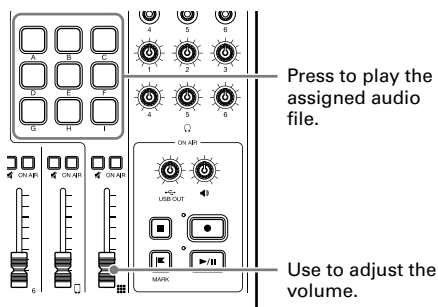
Slide to adjust.



### Play Mode used when SOUND PAD button pressed

- One Shot: Each press plays the file once from beginning to end.
- Pause: Each press alternately plays and pauses. Playback stops at the end of the file. Press and hold (for 2 seconds) to return to the beginning.
- Loop: Each press alternately plays and stops. Playback will loop until stopped.
- Hold: While pressing, loop playback will continue. When released, playback will stop.

## ■ Playing SOUND PAD buttons



### NOTE

Files that are not inside the P8\_Multitrack and P8\_Settings folders on the SD card can be assigned to SOUND PAD buttons. When adding files from a computer, save them outside these folders.

## Function list

<b>Mixer</b>		The built-in mixer can mix input sounds from up to six mics, the USB audio return, and a smartphone with SOUND PAD playback.
	<b>Mic inputs</b>	The mic inputs have high-quality mic preamps built-in. Each channel includes Limiter, Low Cut, Tone and Comp/DeEsser functions. Noise Reduction is also included to reduce background noise.
	<b>Smartphone/BTA-2 input</b>	A smartphone can be connected using a 4-contact mini-plug (TRRS) cable. By connecting a BTA-2 specialized wireless adapter to the <b>P8</b> , a smartphone can also be connected to it via Bluetooth.
	<b>SOUND PAD buttons</b>	Audio files (WAV format) can be assigned to the SOUND PAD buttons. Press one to play the assigned file. With 9 pads and 4 banks, up to 36 files can be assigned. The level and playback method can be set for each pad. When shipped new, 13 sounds are included for use.
<b>Recorder</b>		In addition to podcast stereo files that are mixes of all the channels, each channel can also be recorded as an individual file. The recordings on each channel can be set to either before or after the Tone and Comp/DeEsser effects.
<b>USB</b>	<b>Audio interface</b>	Use as a USB audio interface with 2 inputs and 2 outputs is possible. The USB Mix Minus function prevents call-in guests from having echoes.
	<b>USB FILE TRANSFER</b>	Use as a card reader is possible when connected to a computer, smartphone or tablet.
<b>File editing</b>		<p>The <b>P8</b> can be used to edit the podcast stereo file that is a mix of all channels. The following operations can be used on these files.</p> <ul style="list-style-type: none"> <li>• Delete file</li> <li>• Trim</li> <li>• Fade in</li> <li>• Add background music</li> <li>• Add to favorites</li> <li>• Convert to MP3</li> <li>• Combine files</li> <li>• Divide file</li> <li>• Fade out</li> <li>• Loudness normalization</li> <li>• Register icon</li> <li>• Change file name</li> </ul>
<b>Settings</b>	<b>SD card</b>	Format Test card performance Save/load device settings
	<b>Power</b>	Battery settings Power setting for smartphone/tablet USB connection Adjust touchscreen brightness Disable automatic power saving
	<b>Other settings</b>	Set date and time Set language

### HINT

See the Operation Manual for details.

# Main specifications

Number of input channels		Mic inputs: 6 (mono) Smartphone input: 1 (stereo)
Number of output channels		2 (6 headphones and L/R speaker outputs)
Connectors	MIC	XLR jacks (2: HOT)
	Smartphone connection jack	TRRS mini jack (4 contacts, TIP: L, RING 1: R, RING 2: GND, SLEEVE: MIC)
	USB	USB Type-C (audio interface and mass storage functions) • Use a USB cable that supports data transfer. USB bus power is supported.
	Headphones	3.5mm stereo mini
	Speaker output	TRS jacks (balanced)
	AC adapter	Power supply connector for AD-14
Phantom power		+48 V
Recorder	Formats	WAV 44.1kHz, 16-bit, mono/stereo
	Recording media	4–32 GB cards compatible with the SDHC specification (class 10 or higher) 64–512 GB cards compatible with the SDXC specification (class 10 or higher)
Audio interface		44.1kHz, 16-bit, 2-in/2-out
Display		4.3" (480×272) full-color touchscreen LCD
Power		4 AA batteries (alkaline, lithium, or rechargeable NiMH) AC adapter (ZOOM AD-14): DC 5 V/1 A (supports USB bus power)
Estimated continuous operation time using batteries		Recording 44.1kHz/16-bit/4ch audio to SD card (when +48 V is OFF and headphone impedance is 32 Ω) Alkaline batteries: about 2 hours NiMH batteries (1900 mAh): about 3.5 hours Lithium batteries: about 6.5 hours • The above values are approximate. • Continuous battery operation times were determined using in-house testing methods. They will vary greatly according to use conditions.
External dimensions		295 mm (W) × 248 mm (D) × 61 mm (H)
Weight (unit only)		1.43 kg



ZOOM CORPORATION

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

[www.zoom.co.jp](http://www.zoom.co.jp)