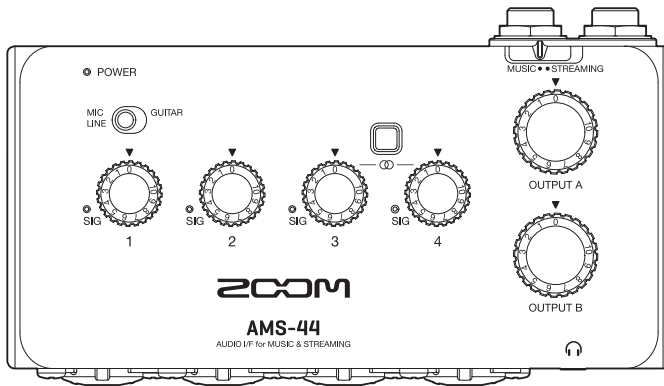


# AMS-44

## AUDIO I/F for MUSIC & STREAMING



## Quick Tour

You must read the Usage and Safety Precautions before use.



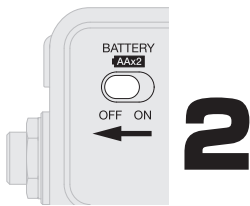
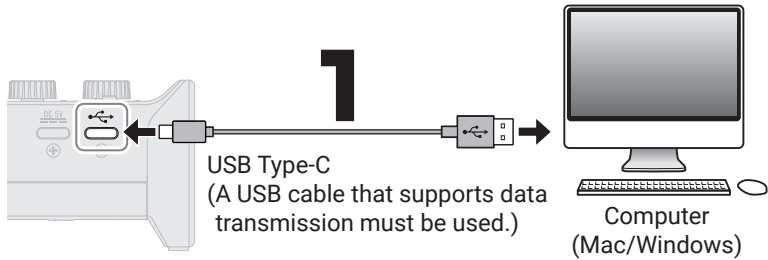
The Operation Manual can be downloaded from the ZOOM website ([www.zoom.jp/docs/ams-44](http://www.zoom.jp/docs/ams-44)).

This page has files in PDF and HTML formats.

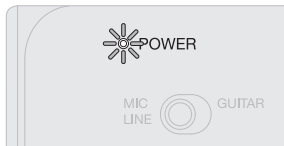
The PDF file format is suitable for printing on paper and reading on a computer.

The HTML file format is suitable for smartphones and tablets and can be read with web browsers.

## Connecting to a computer



To use USB bus power, set the BATTERY switch to OFF.



Confirm that the power indicator is lit red.

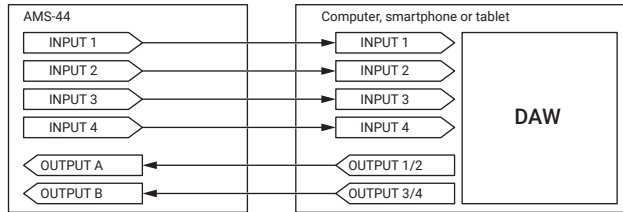
A dedicated driver is necessary when connecting an AMS-44 to a Windows computer to make music using a DAW.

Dedicated drivers can be downloaded from product pages on the ZOOM website ([zoomcorp.com](http://zoomcorp.com)). Follow the instructions in the "Product driver installation guide" to install the ZOOM AMS-44 Driver.

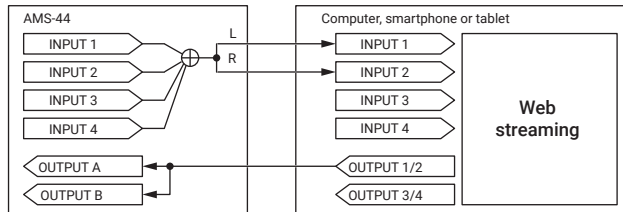
# Setting the MUSIC/STREAMING switch

Set this according to the use of the USB audio signal path.

**MUSIC:** Good for making music with a DAW, for example

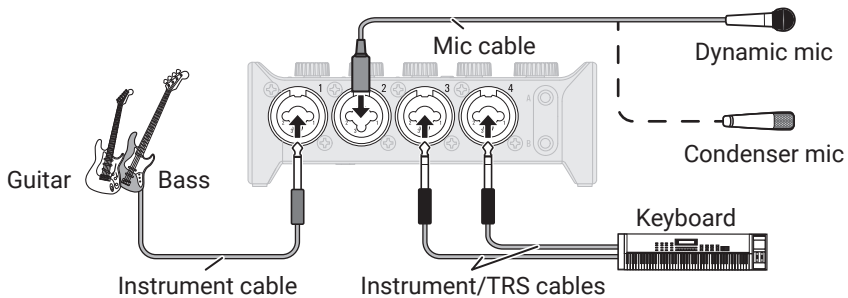


**STREAMING:** Good for web streaming

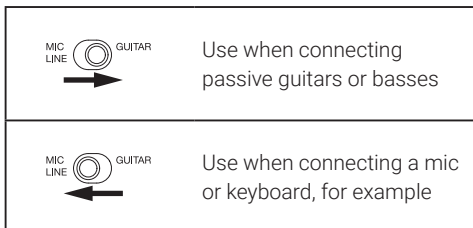


When the AMS-44 Stereo Link switch is on, INPUT 3 (left) and INPUT 4 (right) function as a stereo input.

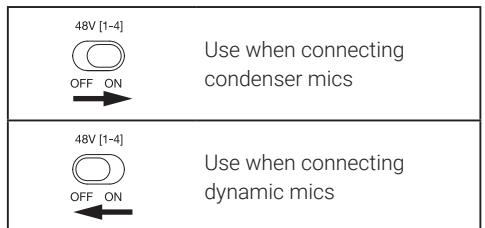
# Connecting instruments and mics



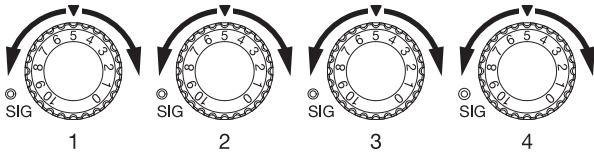
■ Input type switch (INPUT 1 only)



■ 48V switch (INPUT 1-4)



## Adjusting input gain



Set these so that their level indicators do not light red.

To minimize noise, set the gain for any input not being used to 0.

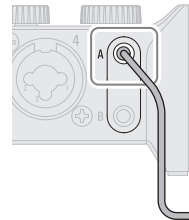
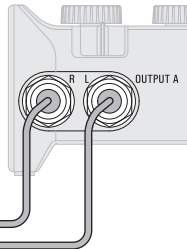
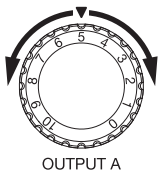
## Using direct monitoring



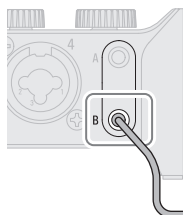
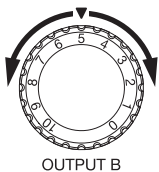
When the DIRECT MONITOR switch is ON, sound input to the AMS-44 can be directly monitored from the OUTPUT A and B jacks (before it passes through the computer).

When stereo link is on, sounds from INPUTS 3 and 4 can be monitored in stereo.

## Adjusting the volume



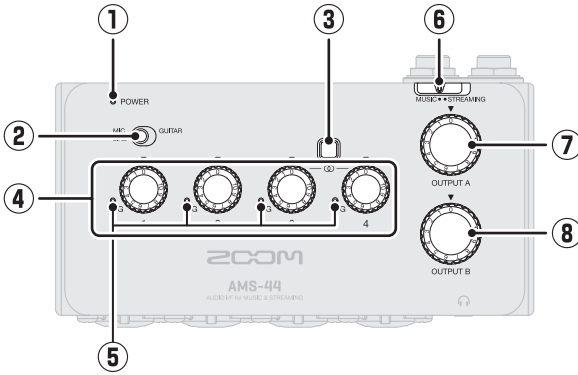
Headphones



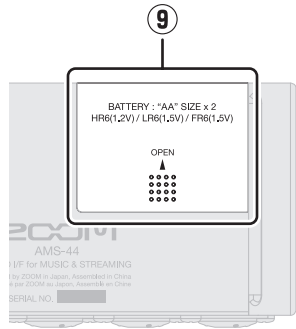
Headphones

# Functions of parts

## ■ Top



## ■ Bottom



### ① POWER indicator

This lights when the power is on. This blinks when the remaining battery charge is low.

### ② Input type switch

Set this according to the equipment connected to INPUT 1.

### ③ Stereo Link switch

Turn this on when inputting a stereo signal through INPUTS 3–4. INPUT 3 will become the left signal while INPUT 4 will become the right signal. When the Stereo Link switch is on, the input gain for both Inputs 3 and 4 is controlled by Gain knob 3.

### ④ Gain knobs

Use these to adjust input signal levels.

### ⑤ Level indicators

These indicators show signal levels after gain knob adjustments.

The indicator colors change according to the signal levels.

Lit green: Input signal present.

Lit red: Input signal is clipping.

### ⑥ MUSIC/STREAMING switch

This switches between MUSIC and STREAMING modes. Set it to MUSIC when using the AMS-44 to make music with a DAW, for example. Set it to STREAMING when using it to stream on the web, for example.

### ⑦ OUTPUT A knob

Use this to adjust the volumes of the signals output from the OUTPUT A standard phone jacks and the Headphones A jack.

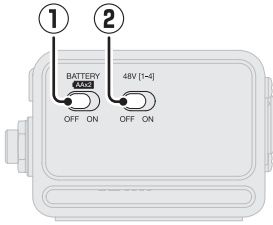
### ⑧ OUTPUT B knob

Use this to adjust the volume of the signals output from the Headphones B jack.

### ⑨ Battery cover

Slide this to remove it when loading batteries.

## ■ Left side



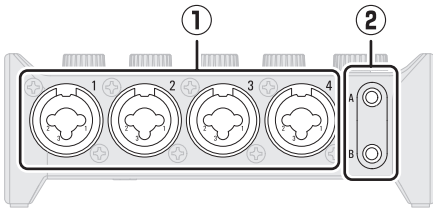
### ① BATTERY switch

Set this to ON to use battery power. Set this to OFF to use USB bus power or an external power supply.

### ② 48V switch

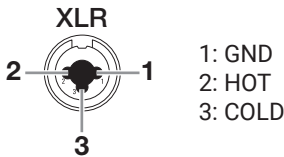
This turns +48V phantom power ON/OFF. Set this to ON when connecting condenser mics. Phantom power is supplied to INPUTS 1–4 simultaneously.

## ■ Front



### ① INPUT jacks 1–4

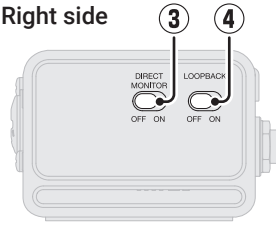
These input jacks have built-in mic pre-amps. Connect mics, keyboards, guitars and other audio sources to these. These can be used with both XLR and standard phone (balanced or unbalanced) plugs.



### ② Headphone output jacks A–B

These output stereo signals. Connect headphones to these.

## ■ Right side



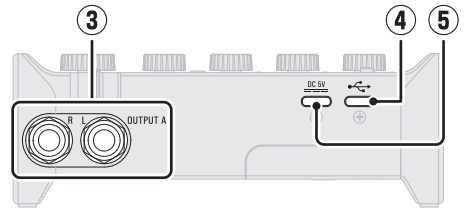
### ③ DIRECT MONITOR switch

Set this to ON to directly monitor sounds from the INPUT jacks before they pass through the computer.

### ④ LOOPBACK switch

Set this to ON to send a mix of the sounds played by the computer and input through the AMS-44 back to the computer.

## ■ Back



### ③ OUTPUT A standard phone jacks

These output the left (L) and right (R) channels of a stereo signal. Connect these to speakers with built-in amplifiers, for example.

### ④ USB port (Type-C)

Use this USB port to connect computers, smartphones and tablets.

### ⑤ DC 5V port (Type-C)

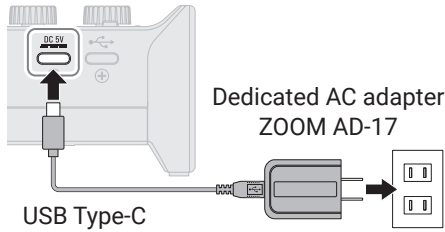
Use this power supply USB port to connect an AC adapter or mobile battery.

# Using smartphones and tablets

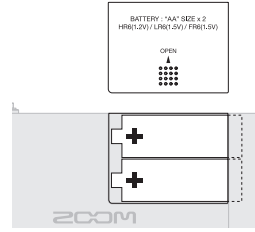
During use with a smartphone or tablet, an external power supply or batteries must be used.

## Preparing an external power supply or batteries

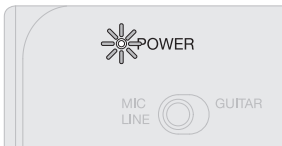
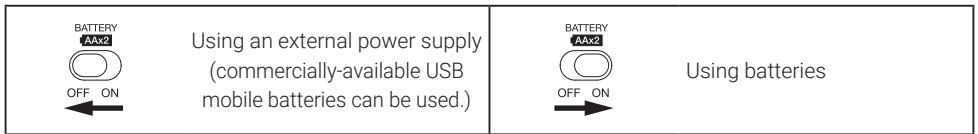
### ■ Using an external power supply



### ■ Using batteries

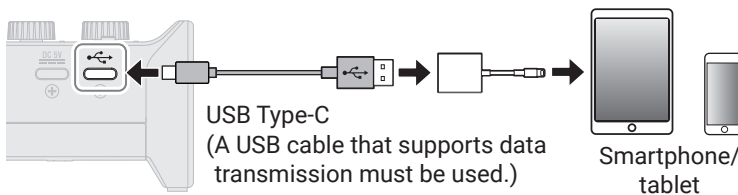


## Selecting the power supply



Confirm that the power indicator is lit red.

## Connecting



To connect smartphones and tablets, USB cables and adapters that match the connectors are necessary.

Connector type	Necessary USB cable/adapter
Lightning connector	USB Type-A to Type-C cable, Lightning to USB 3 Camera Adapter
Type-C connector	USB Type-C to Type-C cable

# Troubleshooting

## Cannot select or use the AMS-44 device

- Confirm that the AMS-44 has been connected correctly on the computer.
- Quit all software that is using the AMS-44. Then, disconnect and reconnect the USB cable connected to the AMS-44.
- Connect the AMS-44 directly to a USB port on the Computer. Do not connect it using a USB hub.
- When connecting to a Windows computer, installing the dedicated driver can resolve problems with applications other than DAWs.
- Reinstall the driver.

## The sounds of devices connected to input jacks are distorted, too quiet or silent

- When using a condenser mic, set the 48V switch to ON.
- Confirm that level indicators are not lighting red. If they are lighting red, lower their gain knobs.
- Adjust the gain knobs.
- Adjust the OUTPUT knobs.

## Cannot play or record

- Confirm that the sound setting of the computer being used is set to "ZOOM AMS-44".

- Confirm that AMS-44 is set for input and output in the software being used.
- Quit all software that is using the AMS-44. Then, disconnect and reconnect the USB cable connected to the AMS-44.

## Playback sound cannot be heard or is quiet

- Check the connections and volume settings of the speakers.
- Adjust the OUTPUT knobs.

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

- Adjust the gain knobs.

## A smartphone or tablet cannot be used

- Confirm that the external power supply is connected or that batteries are loaded correctly.
- When using batteries, set the BATTERY switch to ON.

## Sound skips during playback or recording

- If the audio buffer size of the software being used can be adjusted, increase it.
- Turn off the automatic sleep function and other computer power saving settings.
- Connect the AMS-44 directly to a USB port on the computer. Do not connect it using a USB hub.

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