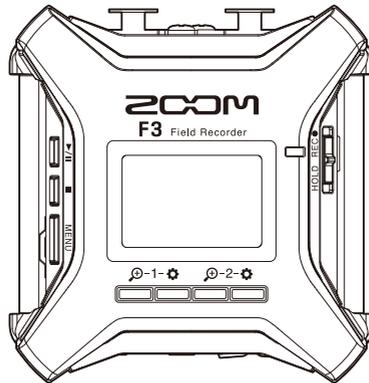


# F3

## Field Recorder



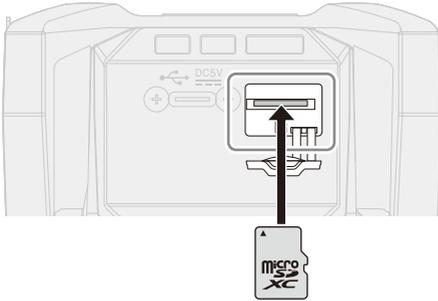
## Quick Tour

You must read the Usage and Safety Precautions before use.



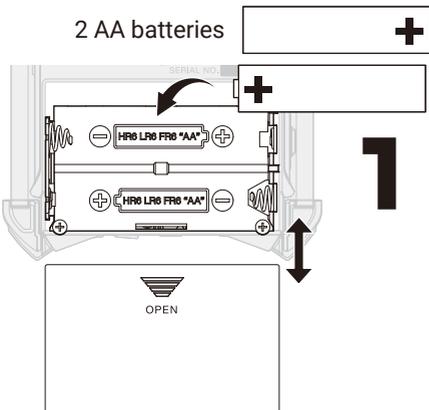
The Operation Manual can be downloaded from the ZOOM website ([www.zoom.jp/docs/f3](http://www.zoom.jp/docs/f3)).  
This page has files in PDF and HTML formats.  
The PDF file format is suitable for printing on paper and reading on a computer.  
The HTML file format is suitable for smartphones and tablets and can be read with web browsers.

## Inserting microSD cards



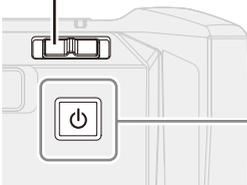
- Supported recording media: microSDHC, microSDXC
- Always turn the power off before inserting or removing a microSD card.
- To remove a microSD card, push it further into the slot and then pull it out.

## Turning the power on



- Use only one type of battery (alkaline, NiMH or lithium) at a time.
- The amount of remaining battery charge can be shown accurately if the type of batteries used is set.
- Power can also be supplied through the USB (Type-C) port by connecting a commercially-available mobile battery or a dedicated AC adapter (AD-17).

Not set to HOLD



**2**

Press and hold to turn the power on.

# Making settings when first turned on

## Setting the language

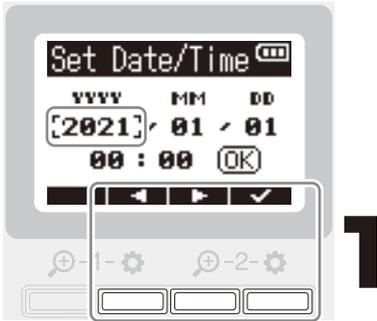


1

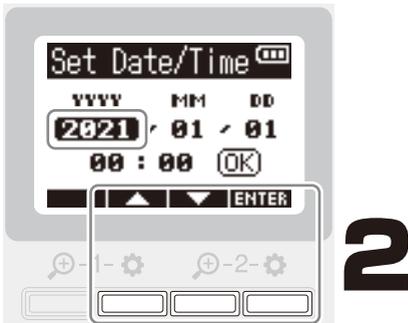


2

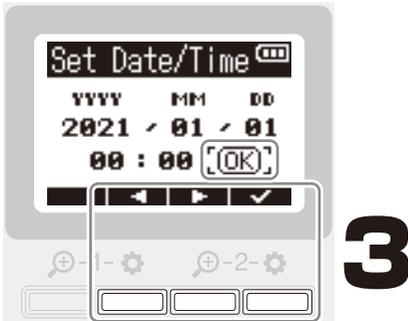
## Setting the date and time



Select an item, and press  to confirm.



Change the number, and press  to confirm.

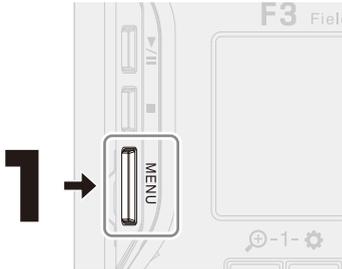


After setting all the items, select "OK" and press  to complete setting the date and time.

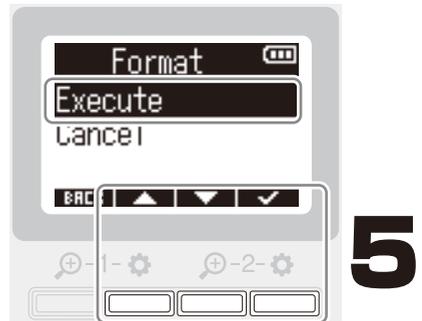
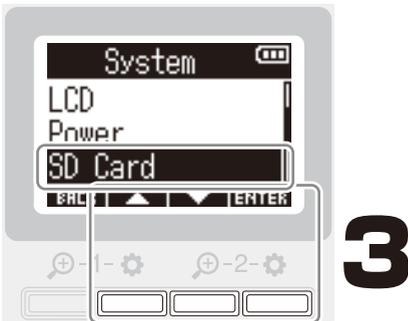
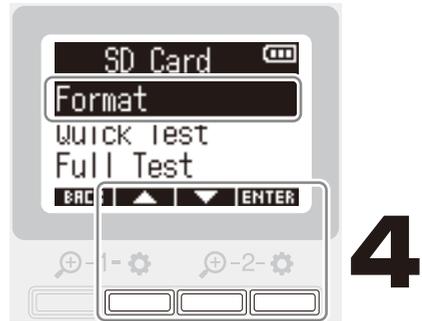
- If power is not supplied by an AC adapter or batteries for a long time, date and time settings will be reset.
- If the date and time setting screen appears during startup, set them again.

# Formatting microSD cards

After purchasing a new microSD card, always format it to maximize performance.

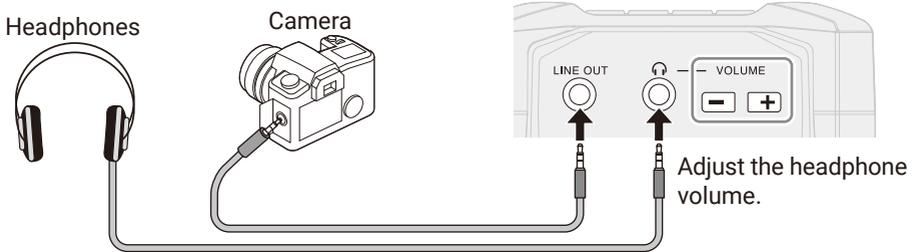
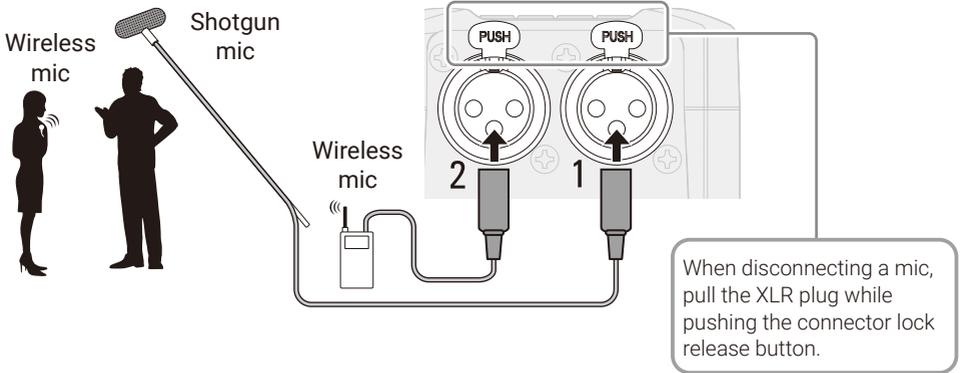


All data previously saved on a microSD card will be deleted when it is formatted.



Press  to return to the Home Screen.

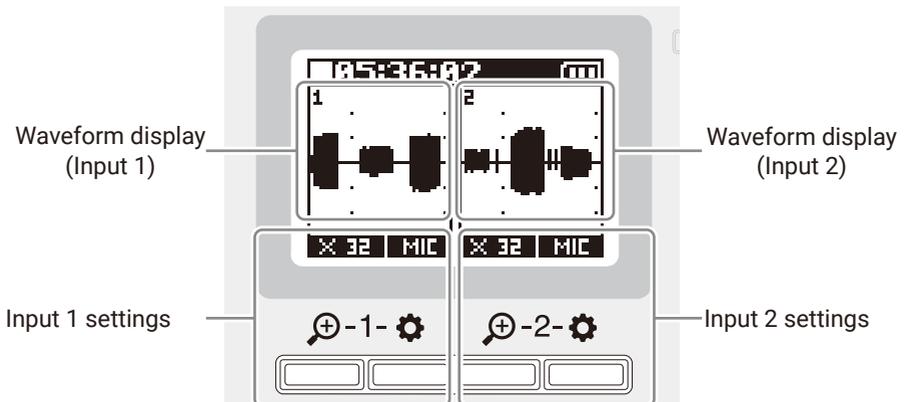
## Connecting input and output devices



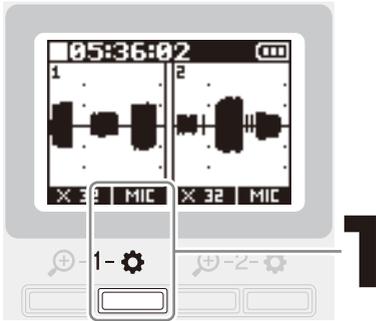
## Making input and recording settings

### ■ Home Screen overview

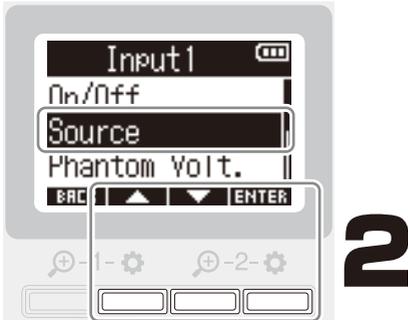
The waveforms and settings for each input are shown on the left and right of the screen.



■ Selecting input sources for connected equipment

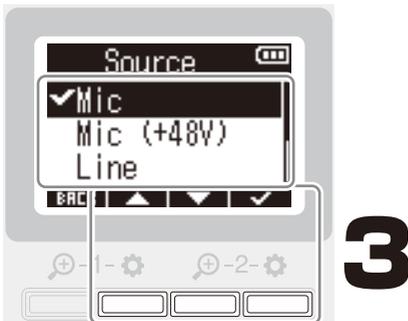


1



2

An unused input will not be recorded if "On/Off" is set to "Off".



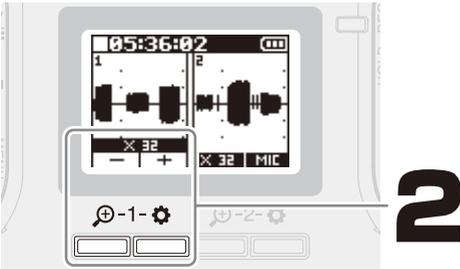
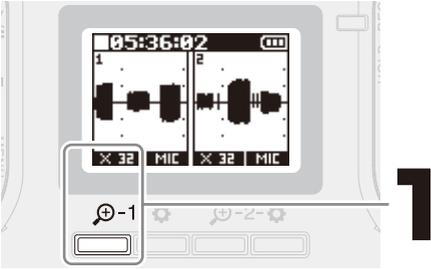
3

Select the input source, and press  to confirm. Set Input 2 also.

Mic	Use when connecting dynamic mics
Mic (+48V)	Use when connecting condenser mics
Line	Use when connecting line level equipment
Line (+48V)	Use when connecting line level equipment that requires phantom power

- Phantom power will be supplied if Mic (+48V) or Line (+48V) is selected.
- Do not supply phantom power to devices that are not compatible with it. Doing so could damage the device.

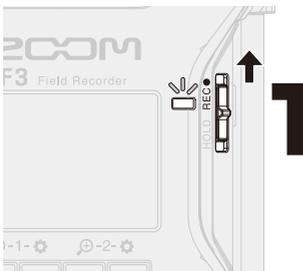
## Adjusting waveform amplification



Use   ( / ) to adjust the waveform display size.

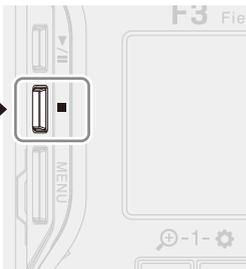
- Changing the amplification will change the volume and be applied to the recording data.
- Since the F3 records using 32-bit float WAV format, if monitored audio sounds distorted, lowering the volume of the recording file can restore the waveform to a state without clipping.

## Recording



- The indicator will light red.
- Slide toward HOLD when recording to prevent misoperation.

2

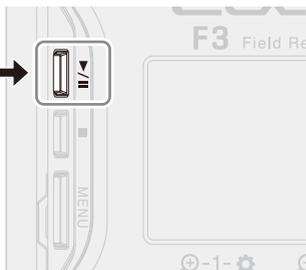


Stop recording.

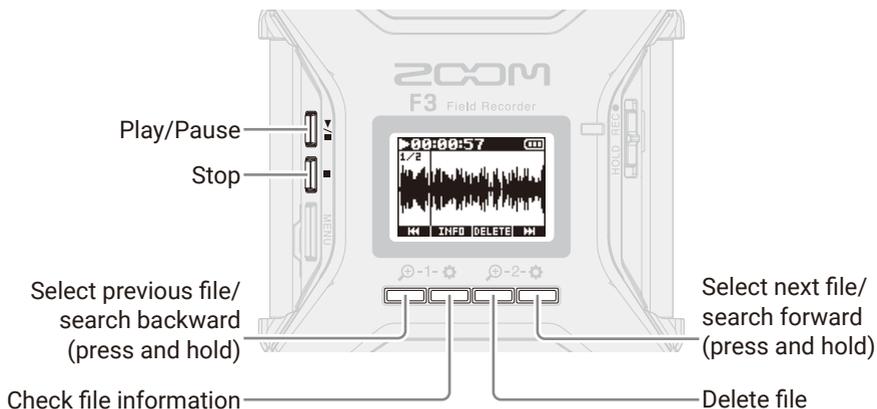
Recording can also be stopped by sliding **HOLD\_REC** toward REC.

## Playing recordings

1

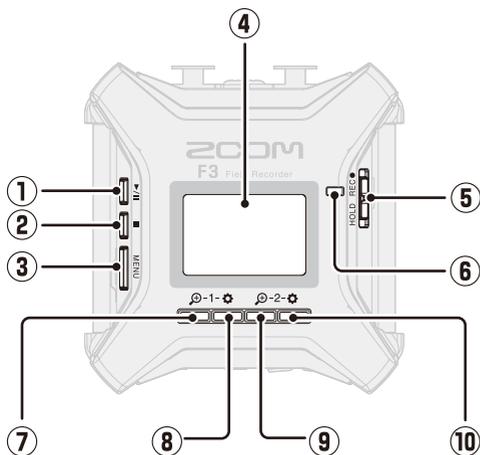


### Operations during playback

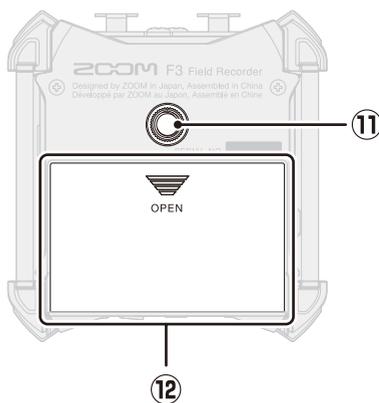


# Functions of parts

## ■ Top



## ■ Bottom



### ① **PLAY button**

This starts and pauses playback.

### ② **STOP button**

This stops recording and playback.

### ③ **MENU button**

This opens the Menu Screen and returns to the Home Screen.

### ④ **Display**

This shows the recorder status and the Menu Screen.

### ⑤ **REC/HOLD switch**

Use this to start recording and to disable button operation.

### ⑥ **REC LED**

This lights during recording.

### ⑦ **1 button**

This adjusts the amplification of the Input 1 waveform.

### ⑧ **1 button**

This is used when making Input 1 settings.

### ⑨ **2 button**

This adjusts the amplification of the Input 2 waveform.

### ⑩ **2 button**

This is used when making Input 2 settings.

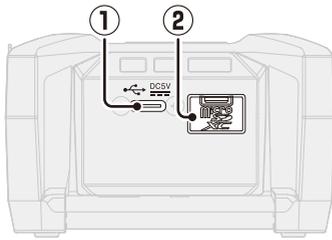
### ⑪ **Tripod mounting threads**

This can be used to attach the F3 to a tripod, for example.

### ⑫ **Battery cover**

Open this when installing or removing AA batteries.

## ■ Left side



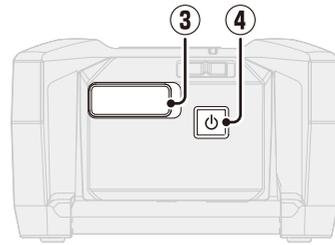
### ① USB port (Type-C)

Connect this to a computer, smartphone or tablet to use the F3 as an SD card reader or audio interface. This supports operation on USB bus power.

### ② microSD card slot

Insert a microSD card here.

## ■ Right side



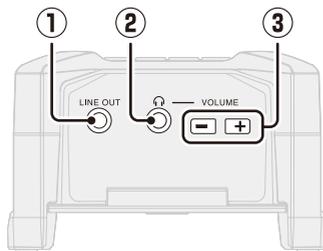
### ③ REMOTE connector

Connect a ZOOM BTA-1 or other dedicated wireless adapter here. This enables use of the F3 Control smartphone/tablet app to operate the F3 wirelessly.

### ④ Power switch

This turns the power on/off.

## ■ Front



### ① LINE OUT jack

This stereo mini jack can be used to output sound.

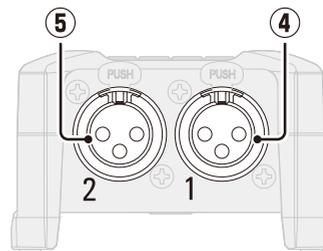
### ② PHONE OUT jack

This can output sound to headphones.

### ③ VOLUME buttons

These adjust the headphone volume.

## ■ Back



### ④ Input 1

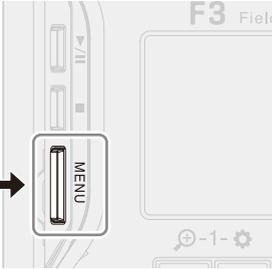
Connect a mic here. This can be used with XLR plugs.

### ⑤ Input 2

Connect a mic here. This can be used with XLR plugs.

## Selecting the recording file format (Mono/Stereo)

1



2



3



4



Depending on the "File format" setting, the sound monitored from the headphone and line outputs will change as follows.

Mono: mono mix

Stereo: stereo (track 1 on left and track 2 on right)

## Setting recording file names

The F3 names and manages recording files with the following format.

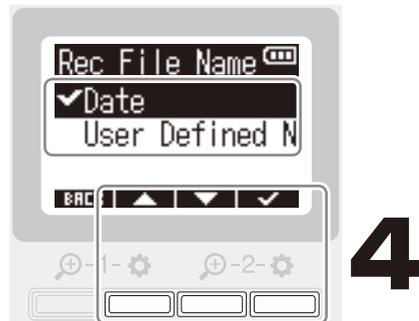
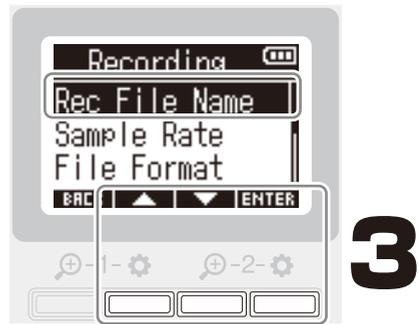
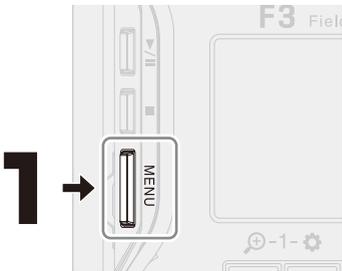
Recording file names and take numbers are also written in the recording file metadata.

210101\_001\_Tr1.WAV

If the "File Format" setting is "Mono", "\_Tr1" and "\_Tr2" will be added to the names after the take numbers.

Take number (increases by 1 every recording)

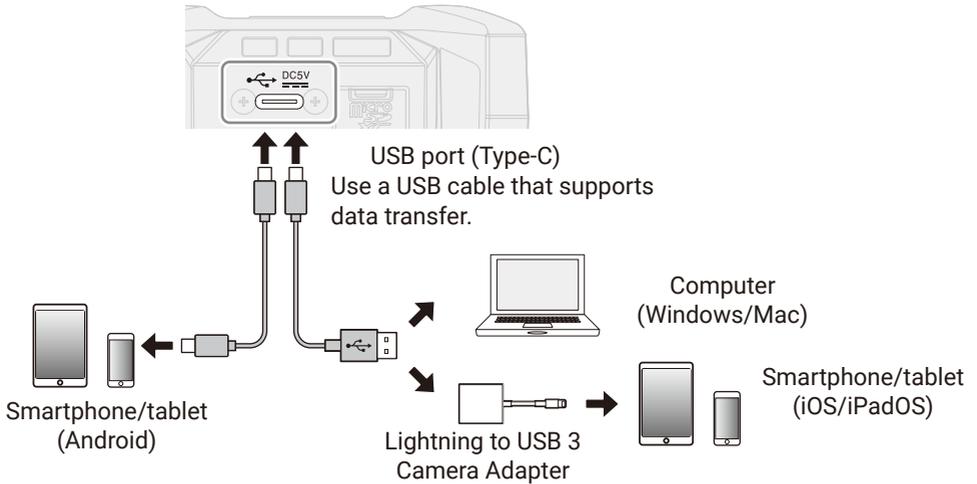
Recording file name (Date or User Defined Name as selected)



Select "User Defined Name" to set the recording file name as desired.

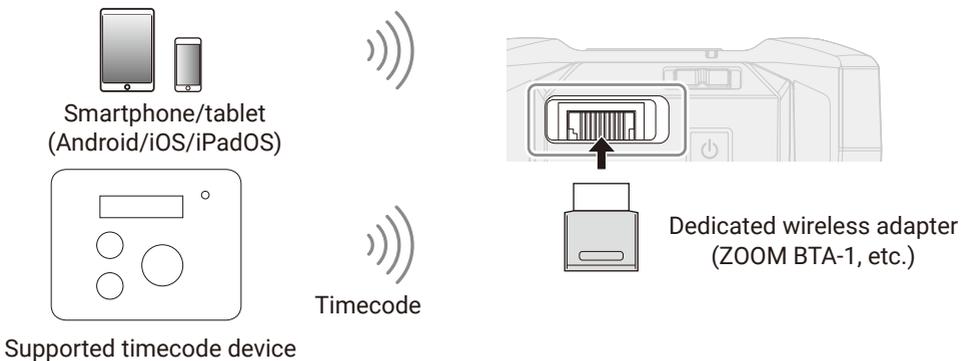
## USB audio interface

The F3 can be used as an audio interface for computers, smartphones and tablets.



## Dedicated wireless adapter

Using a ZOOM BTA-1 or other dedicated wireless adapter enables the F3 Control smartphone/tablet app to operate the F3 wirelessly. It also allows the F3 to receive timecode from supported timecode devices.



## Other functions

<b>High pass filter</b>	This sets a function that cuts low frequencies in the input signal. This function can reduce noise, including the sound of wind and vocal pops.
<b>Phase inversion</b>	The phase of the input signal can be inverted. This is useful when sounds cancel each other out due to mic settings.
<b>Delay</b>	If there are differences in the timing of input sounds, use this function to correct them when recording.
<b>Recording file names</b>	The names given to files automatically during recording can be set.
<b>File format</b>	The format used for recording WAV files can be set. This sets whether audio through Inputs 1 and 2 are recorded as separate mono files or as a single stereo file.
<b>Pre-recording</b>	Before recording is started, input signals can be captured for a certain amount of time.
<b>Sound markers</b>	Tone signals can be output from the output jacks when recording is started. Tone signals are also written in recording files.
<b>Recording counter</b>	This sets whether the elapsed recording time or the remaining possible recording time is shown during recording.
<b>Headphone alert sound level</b>	The volume can be adjusted for alerts output from headphones when, for example, recording starts and stops.
<b>Line output level</b>	This adjusts the line output level. Test tones can be played in order to adjust the level for a digital SLR camera or other device.
<b>Line output limiter</b>	The line output limiter can be used to reduce signals with levels that are too high. This can protect devices connected to the LINE OUT jack.
<b>Line output delay</b>	By delaying line output, timing differences for audio input into another device can be corrected.
<b>USB audio interface</b>	The F3 can be used as a 2-in/2-out audio interface.
<b>USB file transfer</b>	By connecting with a computer, data on the microSD card can be checked and copied.
<b>Bluetooth® Function</b>	The F3 can be operated from a smartphone or tablet by connecting a ZOOM BTA-1 or other dedicated wireless adapter and using the dedicated F3 Control app. By connecting a supported timecode device, SMPTE timecode can also be input to the F3.

See the Operation Manual for detailed information about all the functions.

# Troubleshooting

## Power will not turn on

→ Confirm that  is not set to "HOLD".

## Recording is not possible

- Confirm that the REC LED is lit red.
- Confirm that the microSD card has open space.
- Confirm that a microSD card is loaded properly in the card slot.
- Confirm that the input source setting is not "Off".

## There is no sound or output is very quiet

- Check the orientation of the mic or the volume settings of the connected device.
- Confirm that the headphone volume and line output level are not too low.

## Recorded sound cannot be heard or is quiet

- Confirm that the input source setting is correct for the connected device.

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