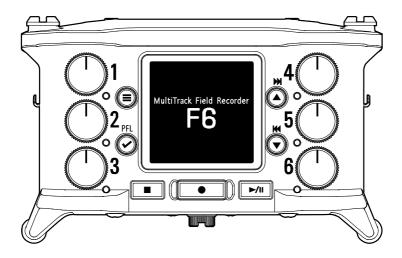


F6

MultiTrack Field Recorder



Quick Guide

You must read the Usage and Safety Precautions before use.



The Operation Manual can be downloaded from the ZOOM website (https://www.zoom.jp/docs/f6). 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.

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

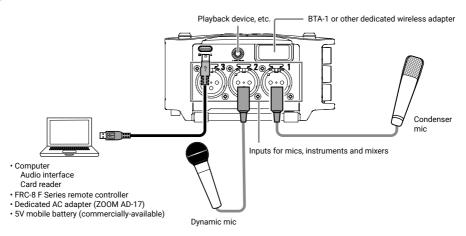
The contents of this manual and the specifications of the product could be changed without notice.

Windows® is a trademark or registered trademark of Microsoft® Corporation.

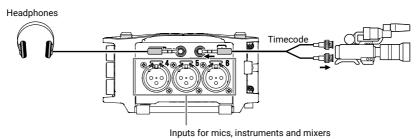
Mac is a trademark or registered trademark of Apple Inc.

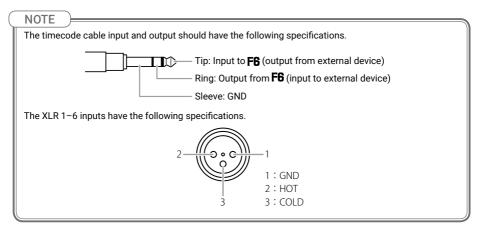
Connections

■ Left side



■ Right side





Preparations

Supplying power

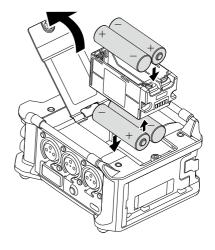
Power can be supplied using AA batteries, an L battery or USB.

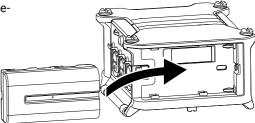
AA batteries

- Loosen the screw in the battery cover on the bottom.
- Open the battery cover on the bottom, and remove the battery case.
- 3. Install 4 AA batteries in the battery case.
- **4.** Put the case into the compartment.
- 5. Close the battery cover and tighten the screw.

■ L battery

 Slide the battery in the direction of the arrow while pressing it toward the recorder.





NOTE

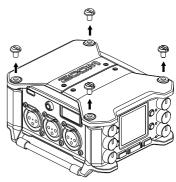
After loading batteries, use Menu > SYSTEM > Settings > Power Source > Type to set the correct type of battery.

HINT

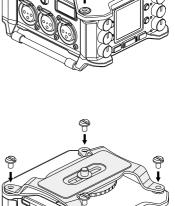
A USB type C cable can also be connected to the USB port to operate it using AC power.

Installing the camera mount adapter

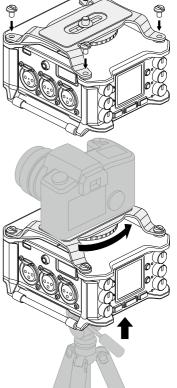
1. Remove the 4 screws from the top of the **F6**.



Align the screw positions of the camera mount adapter with those of the F6, and tighten the screws.

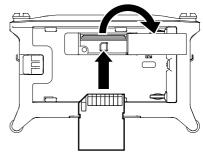


Attach the F6 to a tripod, for example, and then attach the camera with the camera mount adapter screw.



Loading SD cards

1. Open the SD card slot cover, and insert an SD card.



HINT

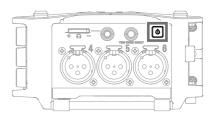
To remove the SD card, push it further into the slot and then pull it out.

NOTE

Before using SD cards that have just been purchased or that have been formatted on a computer, they must be formatted by the **F6**. To format an SD card, use Menu > SYSTEM > SD Card > Format.

Turning the power on and off

1. Press and hold to turn the power on.



HINT

Press and hold **o** to turn the power off.

NOTE

- If "No Card!" appears on the display, confirm that an SD card is inserted properly.
- If "Card Protected!" appears on the display, the SD card write-protection is enabled. Slide the lock switch on the SD card to disable write-protection.
- If "Invalid Card!" appears on the display, the card is not formatted correctly. Format the card or use a
 different card.

Setting the language (first time starting up)

The first time you turn the power on after purchase, set the display language when the Language setting screen opens.

1. Use and to select the display language, and press .



HINT

The language setting can be changed later using Menu > SYSTEM > Language.

Setting the date and time (first time starting up)

When the Date and Time setting screen opens after the Language settings screen, set the date and time.

- 1. Use (a) and (v) to select the item to change, and press (v).
- 2. Use and to change the value, and press .
- 3. Use (and) to select "Enter", and press .

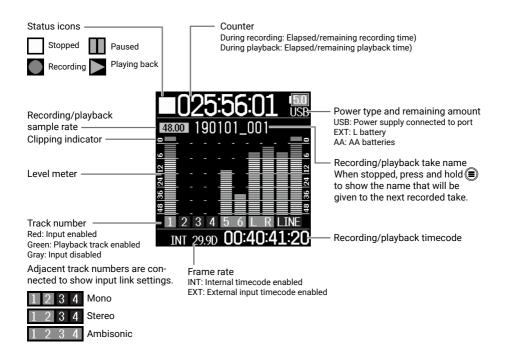


LINIT

The date and time setting can be changed later using Menu > SYSTEM > Settings > Date/Time > Set Date/Time.

Display overview

■ Home Screen



HINT

The **F6** has two Record setting modes, Linear (16/24-bit) and Float (32-bit), with the following characteristics.

Linear: This mode records ordinary 16/24-bit WAV files. Adjust input (trim) levels so that the clip indicators do not light when recording. The level meters show input levels after adjustments.

Float: This mode records 32-bit float WAV files. Adjusting input levels is unnecessary. As long as maximum input levels are not exceeded, both quiet and loud sounds can be recorded with high quality. The level meters show levels after adjustments by [Track ①] knobs.

NOTE

Some of the screen will appear differently when the recording mode is Float (32 bit).

Input and output settings

Setting the input source

Set the input source using Menu > INPUT > PFL > Input 1-6 > Source.



Open the Menu Screen.





▲/▼ Select up/down.



Confirm.



| Setting | Explanation | |
|-----------|--|--|
| Mic | Select this when connecting a mic or other equipment with a low input level. | |
| Mic (PH) | Use this setting for mic level with phantom power. | |
| Line | Select this when connecting line level equipment. The input level will be reduced 20 dB compared to when "Mic" is selected. | |
| Line (PH) | Use this setting for line level with phantom power. | |
| USB 1-4 | When the "AIF with Rec" setting is on, computer output signals are treated input signals. | |

HINT

- · Menu > INPUT > Phantom Settings can be used to set the phantom power voltage and change the power conservation setting (power supply during playback).
- To return to the Home Screen from the Menu Screen, press (to go back one menu level at a time.

Adjusting input levels (trim)

When the recording setting mode is not "Float (32 bit)", use Menu > INPUT > PFL > Input 1-6 > Trim to adjust the input level.



Open the Menu Screen.



▲ / ▼ Select up/down, adjust value.



Confirm.



HINT

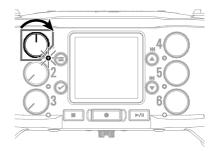
See "Adjusting headphone volume" (\rightarrow P. 10) for how to adjust the headphone volume.

Enabling tracks

You can select which among Inputs 1-6 to use.

Inputs will be recorded on tracks with the same numbers. For example, Input 1 will be recorded on track 1 and Input 2 will be recorded on track 2.

1. Turn the () with the same number as the input you want to record right, making the track status indicator light.



| Status indicator | Track number screen background color | Explanation |
|------------------|--------------------------------------|------------------------|
| Lit red | Red | The input is enabled. |
| Unlit | Gray | The input is disabled. |

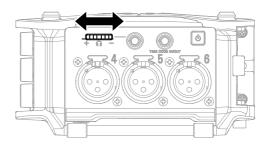
Adjusting track volume

1. Turn for a track to adjust its volume.



Adjusting headphone volume

1. Turn + \(\operatorname{\text{Turn}} \)_.

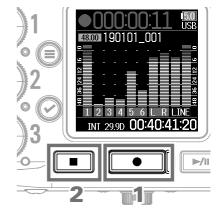


Recording

This starts recording.

2. Press .

This stops recording.



Operations during recording

| Function | Operation | |
|--------------------------------|-------------|--|
| Pause & Mark/Resume | Press //II. | |
| Start recording the next take. | Press | |

NOTE

If the file size exceeds 2GB during recording, a new take will be created automatically and recording will continue without interruption. No gap in sound will occur between the two takes when this happens.

HINT

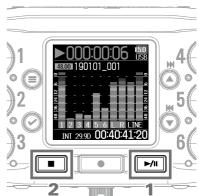
- The clip indicators will appear lit when loud sounds are input.
 Adjust the input level so that the clip indicators do not light.
- Clip indicators that have appeared once can be cleared by pressing
 while pressing
 while



Playing recordings

1. Press //II.

This starts playback.



■ Playback operations

| Function | Operation |
|--------------------------|----------------------|
| Tunction | Operation |
| Pause/resume | Press //II. |
| Select take/Jump to mark | Press H. / H. |
| Search forward | Press and hold . |
| Search backward | Press and hold [44]. |

List of functions and settings

When the Home Screen is open, press to open the Menu Screen where you can use the following functions and settings.

| Item | | | Explanation | |
|---|------------------|------------------|--|--|
| FINDER | | | The Finder allows you to view and edit takes and folders on SD cards, create project/scene folders, and make recording/playback folder settings, for example. | |
| | PFL | | Use to set the Input Source, Trim, HPF, Limiter, Phase, Delay and Pan and the monitoring | |
| INPUT | | | sound when the PFL screen is open. | |
| | Phantom S | ettings | Use to set phantom power voltage and energy conservation function. | |
| | Link Setting | js | Use to set input and trim linking. | |
| | Auto Mix | | When using multiple inputs, use to set this function that reduces background noise for tracks with low input levels by automatically attenuating their levels. | |
| OUTDUT | Headphone | Out | Use to set the headphone output routing, digital boost, volume curve and alert sound level. | |
| OUTPUT | Line Out | | Use to set the line output level, routing, limiter and delay. | |
| Mode (The items shown in the Rec menu differ according to the set mode.) | | differ according | Use to set the recording mode and bit depth of recorded WAV files. | |
| | | Sample Rate | Use to set the sample rate used to record WAV files. | |
| | When the | File Format | Use to set the file format used to record files. | |
| | mode is | Metadata | Use to set how scene names are added, and notes and track names are saved as metadata. | |
| REC | not MP3 | LR Track | Use to set whether or not to record the L/R track and to set the L/R track volume. | |
| | | Pre Rec | Use to set pre-recording, which captures audio before recording starts. | |
| Ì | | Sample Rate | Use to set the sample rate used to record MP3 files. | |
| | When the | Bit Rate | Use to set the bit rate used to record MP3 files. | |
| | mode is MP3 | Scene Name | Use to set how scenes are named. | |
| | | LR Fader | Use to set the volume of the L/R track. | |
| | | Pre Rec | Use to set pre-recording, which captures audio before recording starts. | |
| DI AV | LR Fader | | Use to set the volume of the L/R track. | |
| PLAY | Repeat | | Use to set the playback repeat function. | |
| | Mode | | Use to set the timecode mode, timecode output when recording is stopped, synchronization with audio clock, and internal timecode operation when there is no external timecode input. | |
| Ī | FPS | | Use to set the frame rate of the internal timecode. | |
| TIMECODE | Jam | | Use to set jamming of the timecode input through the TIMECODE IN/OUT jack by the internal timecode. This can be used to restart the internal timecode at a chosen set value. | |
| | Ubits | | Use to set the mode and content of user bits that can be included in timecode. | |
| Ī | Auto Rec Delay | | Use to set the amount of time until recording starts after timecode is received. | |
| | Start TC | | Use to set the value used when jamming timecode starts and for calibration to increase the precision when jamming to RTC. | |
| SYSTEM | SD card | | Use to back up and load settings, as well as to show information about, test performance of and format the SD card. | |
| | USB | | Use to set card reader, audio interface, and simultaneous recording and audio interface use functions as well as to make settings when connected to an FRC-8. | |
| | Bluetooth | | Use this for Bluetooth connection with iOS and timecode devices. | |
| | Settings | | Use to set the date and time, power source, button operations, power saving function, and display, for example, as well as to restore all settings to their factory defaults. | |
| | Firmware Version | | Use to check firmware versions. | |
| - 1 | | | | |

Note: See the Operation Manual for detailed information about each setting.

Specifications

| Recording | | SD cards, SDHC cards, SDXC cards (that conform to standards) | | | |
|-----------|-------------------------------------|--|--|--|--|
| media | | | | | |
| Inputs | Inputs 1-6 | Connectors | XLR jack (pin 2 hot) | | |
| | Input (mic) | Input gain | +12 dB - +75 dB | | |
| | | Input impedance | 3 kΩ or more | | |
| | | Maximum input level | +4 dBu | | |
| | Input (line) | Input gain | -8 dB - +55 dB | | |
| | | Input impedance | 5 kΩ or more | | |
| | | Maximum input level | +24 dBu | | |
| | Phantom power | +24/+48V 10mA maximum for each channel | | | |
| | Equivalent input noise | -127 dBu or less (A-weig | ghted, +75 dB input gain, 150 Ω input) | | |
| Outputs | Line output | Connectors | 3.5 mm stereo mini unbalanced output | | |
| | | Output impedance | 100 Ω or less | | |
| | | Reference output level | –10 dBV, 1 kHz, 10 kΩ load | | |
| | | Maximum output level | +10 dBV, 1 kHz, 10 kΩ load | | |
| | | D/A dynamic range | 95 dB typ (-60dBFS input, A-weighted) | | |
| | Headphone output | Connector | 3.5 mm stereo mini unbalanced output | | |
| | | Output impedance | 15 Ω or less | | |
| | | Maximum output level | 100 mW + 100 mW (32Ω load) | | |
| | | D/A dynamic range | 108 dB typ (-60dBFS input, A-weighted) | | |
| Recording | When WAV selected | | | | |
| formats | Supported formats | 44.1/47.952/48/48.048/ | 88.2/96/192 kHz, 16/24-bit/32-bit float, | | |
| | mono/stereo/2-8ch poly, BWF/iXML | | | | |
| | Maximum simultaneous | 14 (6 inputs x 2 (Linear and Floating) + LR mix) | | | |
| | recording tracks | 6 (6 inputs (Linear or Flo | ating) at Float(32bit) Mode, 192 kHz) | | |
| | When MP3 selected | | | | |
| | Supported formats | 128/192/320 kbps, 44.1, | /48 kHz, ID3v1 tags | | |
| | Maximum simultaneous | 2 | | | |
| | recording tracks | | | | |
| Recording | Using a 32 GB card | | | | |
| time | 30:46:00 (48 kHz/24-bit stereo WAV) | | | | |
| | 7:41:00 (192 kHz/24-bit stereo WAV) | | | | |
| Timecode | Connectors | 3.5 mm stereo mini (Tip: | | | |
| | Modes | | ord Run, Int RTC Run, Ext, Ext Auto Rec | | |
| | | (audio clock can be synchronized to timecode) | | | |
| | Frame rates | 23.976 ND, 24 ND, 25 ND, 29.97 ND, 29.97 D, 30 ND, 30 D | | | |
| | Precision | ±0.2 ppm | | | |
| | Allowed input level | 0.2 - 5.0 Vpp | | | |
| | Allowed input impedance | 4.6 kΩ | | | |
| | Output level | 3.3 Vpp | | | |
| | Output impedance | 50 Ω or less | | | |
| Power | AC adapter : DC 5V (supports | USB bus power) | | | |
| | Sony® L-Series battery | | | | |
| | 4 AA batteries (alkaline, lithiu | m or rechargeable NiMH bat | teries) | | |

| Continuous | 48 kHz/16-bit 2ch recording to | | | | | |
|----------------|--|--------------------------------|--------------------------------------|--|--|--|
| recording time | | | hones into 32Ω load, PHANTOM off) | | | |
| | Alkaline batteries | 7.5 hours or more | | | | |
| | NiMH batteries | 10.5 hours or more | | | | |
| | (2450 mAh) | | | | | |
| | Lithium batteries | 16.5 hours or more | | | | |
| | 48 kHz/24-bit 6ch recording to | | | | | |
| | | | hones into 32Ω load, PHANTOM off) | | | |
| | Alkaline batteries | 5.0 hours or more | | | | |
| | NiMH batteries | 7.0 hours or more | | | | |
| | (2450 mAh) | | | | | |
| | Lithium batteries | 10.5 hours or more | | | | |
| | 192 kHz/24-bit 6ch recording t | | | | | |
| | | to Int Free Run, LED/LCD Brigh | ntness 60, headphones into 32Ω load, | | | |
| | PHANTOM at 48 V) | | | | | |
| | Alkaline batteries | 0.5 hours or more | | | | |
| | NiMH batteries (2450 | 1.5 hours or more | | | | |
| | mAh) | | | | | |
| | Lithium batteries | 3.5 hours or more | | | | |
| Display | 1.54" full-color LCD (240 × 240) | | | | | |
| USB | Mass storage operation | | | | | |
| | Class USB 2.0 High Speed | | | | | |
| | · · · · · · · · · · · · · · · · · · · | | dows, no driver required for MacOS) | | | |
| | Class | USB 2.0 High Speed | | | | |
| | Specifications | Sampling rate | 44.1/48/88.2/96 kHz | | | |
| | | Bit Rate | 16/24-bit | | | |
| | | Channels | 6 in/4 out | | | |
| | Stereo mix audio interface operation (no driver required) | | | | | |
| | Class | USB 2.0 Full Speed | | | | |
| | Specifications | Sampling rate | 44.1/48 kHz | | | |
| | | Bit Rate | 16-bit | | | |
| | | Channels | 2 in/2 out | | | |
| | Note: iOS device audio interface operation supported (stereo mode only) | | | | | |
| | AIF with Rec operation (driver required for Windows, no driver required for MacOS) | | | | | |
| | Class | USB 2.0 High Speed | | | | |
| | Specifications | Sampling rate | 44.1/48 kHz | | | |
| | | Bit Rate | 16/24-bit | | | |
| | | Channels | 8 in/4 out | | | |
| Power | 10 W | | | | | |
| consumption | | | | | | |
| External | 100 mm (W) x 119.8 mm (D) x | 62.9 mm (H) | | | | |
| dimensions | | | | | | |
| Weight | 520 g | | | | | |



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