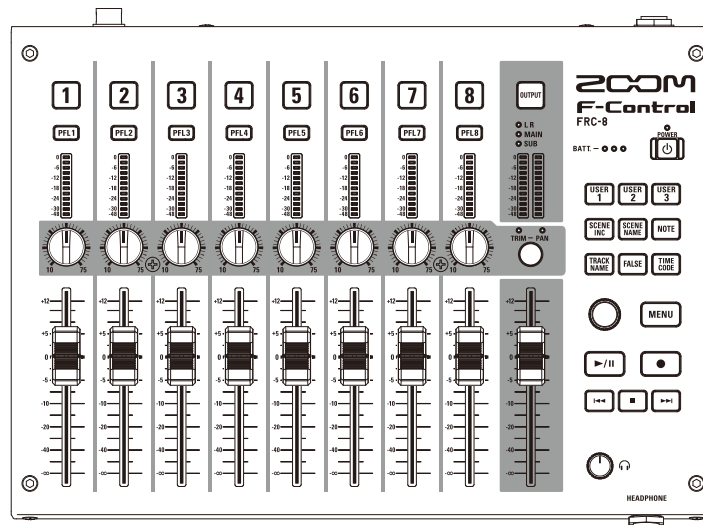


**ZOOM**®

# F-Control

## FRC-8

### Operation Manual



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# Usage and Safety Precautions

## Safety Precautions

In this operation manual, symbols are used to highlight warnings and cautions that you must read to prevent accidents. The meanings of these symbols are as follows.



**Something that could cause serious injury or death**



**Something that could cause injury or damage to the equipment**

Other symbols used



**An action that is mandatory**



**An action that is prohibited**



**Warning**

### Operation with an external DC power supply

- ❗ Use a 9V–16V external DC power supply. (We recommend ZOOM AD-19 and DHC-1 AC adapters.)
- ❗ Carefully study the warning indications of the external DC power supply before use.

### Operation with batteries

- ❗ Use 4 commercially-available 1.5 V AA batteries (alkaline dry cell batteries, nickel metal hydride batteries or lithium dry cell batteries).
- ❗ Carefully study the warning indications of the batteries before use.
- ❗ Always keep the battery cover closed during use.

### Alterations

- ⊘ Do not open the case or modify the product.



**Caution**

### Product handling

- ❗ Do not drop, bump or apply excessive force to the unit.
- ❗ Be careful not to allow foreign objects or liquids to enter the unit.

### Operating environment

- ⊘ Do not use in extremely high or low temperatures.
- ⊘ Do not use near heaters, stoves and other heat sources.
- ⊘ Do not use in very high humidity or where it could be splashed by water.
- ⊘ Do not use in places with frequent vibrations.
- ⊘ Do not use in places with much dust or sand.

### Battery handling

- ❗ Install batteries with the correct +/- orientations.
- ❗ Use the specified batteries. Do not use new and old batteries together. Do not use batteries of different brands or types together.
- ❗ Remove the batteries when the unit will not be used for a long time. If a leak occurs, thoroughly wipe the battery case and battery terminals to remove the leaked fluid.

### Connection cables and input/output jacks

- ❗ Always turn the power OFF for all equipment before connecting any cables.
- ❗ Always disconnect all connection cables before moving the unit.

### Volume

- ⊘ Do not use at a loud volume for a long time.

## Usage Precautions

### Interference with other electrical equipment

In consideration of safety, the **FRC-8** has been designed to minimize its emission of electromagnetic waves and to suppress interference from external electromagnetic waves. However, equipment that is very susceptible to interference or that emits powerful electromagnetic waves could result in interference if placed nearby. If this occurs, place the **FRC-8** and the other device farther apart. With any type of electronic device that uses digital control, including the **FRC-8**, electromagnetic interference could cause malfunction, corrupt or destroy data and result in other unexpected trouble. Always use caution.

### Cleaning

Use a soft cloth to clean the exterior of the unit if it becomes dirty. If necessary, use a damp cloth that has been wrung out well to wipe it. Never use abrasive cleansers, wax or solvents such as alcohol, benzene or paint thinner.

### Breakdown and malfunction

If the unit becomes broken or malfunctions, immediately turn the power off, disconnect the external power supply, remove the batteries and disconnect other cables. Contact the store where you bought the unit or ZOOM service with the following information: product model, serial number and specific symptoms of breakdown or malfunction, along with your name, address and telephone number.

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### Note about the Auto Power Off function

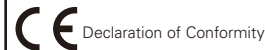
The power will automatically turn off if the **FRC-8** is not connected to a compatible device and is unused for 10 hours. When connected with a compatible device, it will respond to the Auto Power Off function of that device.

### FCC regulation warning (for U.S.A.)

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### For EU Countries



## FRC-8 features

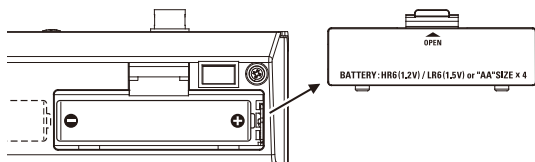
- This mixer-style controller can be used connected to **F4**, **F8** and other multitrack field recorders.
- The faders for 8 tracks and the output enable intuitive volume adjustment.
- User-assignable function keys and other shortcut keys provide convenient access to functions.

- A USB keyboard can also be connected for easy input of metadata and other text.
- Power can be supplied in 3 ways: AA batteries, a 9-16V DC power supply, or USB bus power from the recorder (the **F8** cannot provide power).

## Supplying power

### ■ Using AA batteries

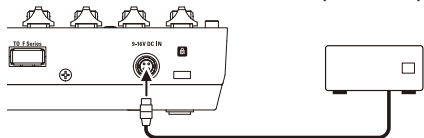
1. Remove the battery cover on the back, and install the batteries.



### ■ Using a DC power supply

1. Connect the DC power supply device to the DC IN connector.

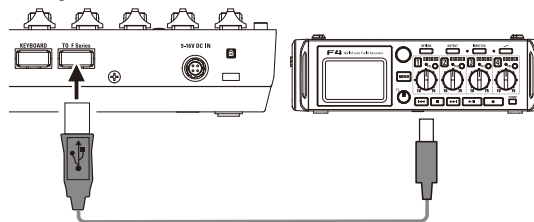
Connect a 9–16V direct-current power supply.



2. If there is an adapter, plug the adapter into an outlet.

### ■ Using USB bus power (F8 cannot supply)

1. Use a USB cable to connect the FRC-8 and the compatible device.



### NOTE

When multiple power supplies are connected, they will be used in the following order of priority.

1. DC power supply (Ext DC)
2. USB bus power (**F8** cannot supply)
3. AA batteries (Int AA)

# Names and functions of parts

Top

**TRACK key**

**PFL key**

**LED level meter**

This lights according to the input level.

**TRIM/PAN knob**

Use to adjust the trim and pan of the track. Use the TRIM/PAN select key to change the knob function.

**TRACK fader**

Use to adjust the track level.

**OUTPUT fader**

Use to adjust the level of the output set with the OUTPUT select key.

**Battery indicators**

Light to show the amount of remaining battery power.

**POWER key**

**Selection encoder**

**MENU key**

**PLAY/PAUSE key**

**REC key**

**REW key**

**STOP key**

**FF key**

**Headphone volume**

**HEADPHONE jack**

**Headphones**

**OUTPUT**



**OUTPUT select key**

Used to select the output (L/R, MAIN or SUB) for which you want to adjust the level.

**LED level meter**

This lights according to the output level.

**TRIM - PAN**



**TRIM/PAN select key**

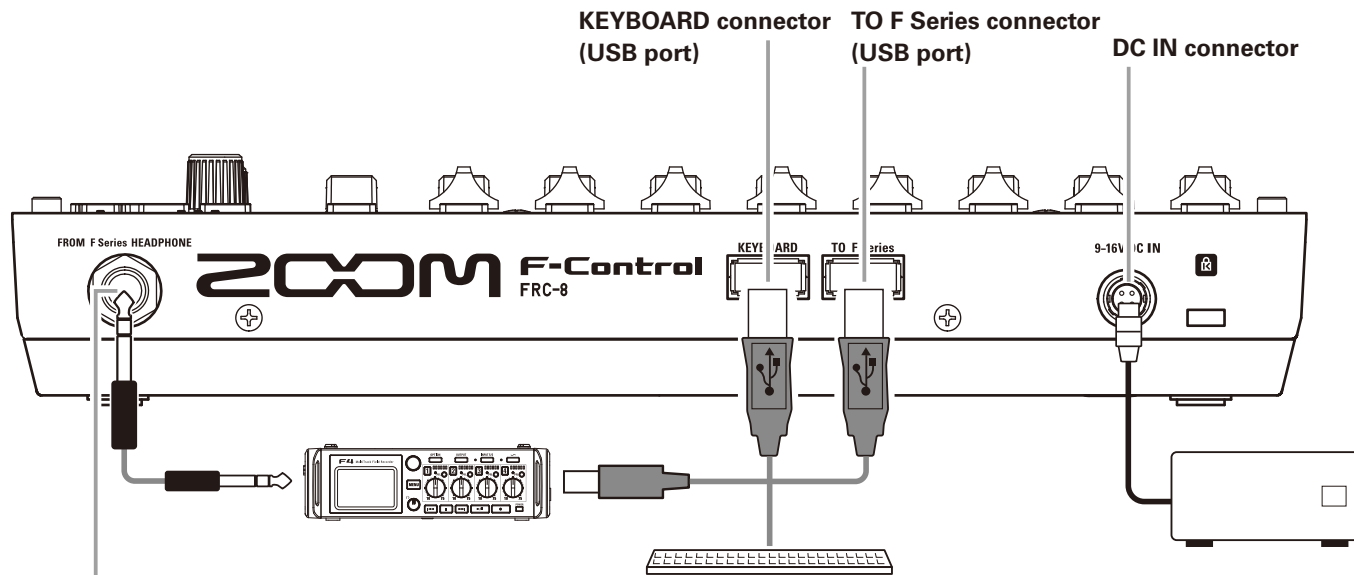
Use to switch the TRIM/PAN knob function.

**F4/F8** shortcut functions are assigned to these keys.

  	User key functions set by the <b>F4/F8</b>
	Advance the scene number by 1.
	Open the User Scene Name screen.
	Open the Note screen.
	Open the Track Name screen.
	Move previously recorded take to the FALSE TAKE folder.
	Open the Timecode or Jam screen.

## Names and functions of parts

### Side



#### FROM F Series HEADPHONE jack

By connecting the HEADPHONE output of a compatible device to this with a stereo cable, the input and playback signals from that device can be monitored through the **FRC-8** HEADPHONE jack.

#### PC keyboard

This can only be used with character input screens.

## Specifications

<b>Power</b>	Batteries: 4 AA	
	USB bus power (supplied by compatible recorder)	
	9-16V external DC power supply	
<b>Continuous operation time</b>	When 8 channels in use, LED Brightness at 60, no keyboard, and 5 LEDs on each level meter constantly lit	
	Alkaline batteries	8.5 hours or more
	NiMH (2450mAh)	12 hours or more
	Lithium batteries	16.5 hours or more
<b>Connectors</b>	TO F Series	USB (Type A)
	KEYBOARD	USB (Type A) USB standard keyboard connection Power supply capability: 100 mA
	FROM F Series HEADPHONE	1/4" stereo unbalanced
	HEADPHONE	1/4" stereo unbalanced
	External DC power supply: HIROSE HR10A-7R-4S 4-pin connector (1 pin: -, 4 pin: +)	
<b>Power consumption</b>	2.5 W	
<b>External dimensions</b>	Main unit: 245.0 mm (W) × 180.7 mm (D) × 47.4 mm (H)	
<b>Weight (main unit only)</b>	980 g	



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