



INSTRUO | SPECIALIST
SYNTHESIZERS



[2]f

**Dual Fader Module
User Manual**

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Description

The Instruō **[2]f** is a manual control voltage interface. Two identical channels provide a fader for manual control over a unipolar positive DC control voltage signal.

Too many cables to reach your knobs? The **[2]f** can be conveniently placed towards the edge of your system to achieve easy access to your buried parameters.

Modules with no Bias control? Sum a DC offset from the **[2]f** with your CV signal to bias your control voltage signal.

With the addition of manual voltage control, the possibilities are endless.

Features

- Two channels of manual voltage control (0V - 5V or 0V - 10V)
- LED indication of fader position
- 2 HP

Installation

1. Confirm that the Eurorack synthesizer system is powered off.
2. Locate 2 HP of space in your Eurorack synthesizer case.
3. Connect the 10 pin side of the IDC power cable to the 2x5 pin header on the back of the module, confirming that the red stripe on the power cable is connected to -12V.
4. Connect the 16 pin side of the IDC power cable to the 2x8 pin header on your Eurorack power supply, confirming that the red stripe on the power cable is connected to -12V.
5. Mount the Instruō [2]f in your Eurorack synthesizer case.
6. Power your Eurorack synthesizer system on.

Note:

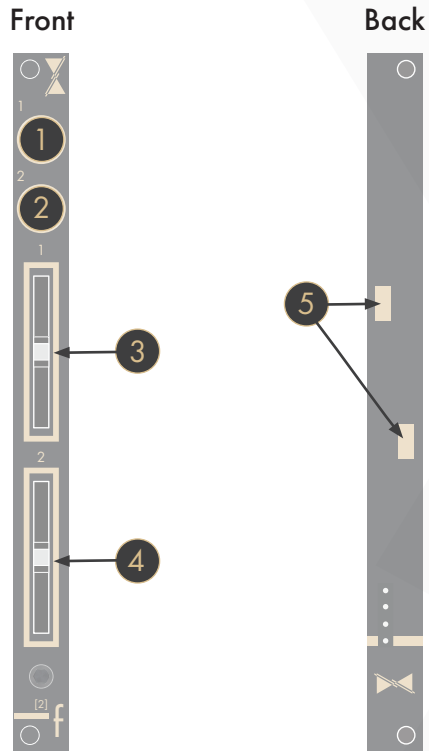
This module has reverse polarity protection.

Inverted installation of the power cable will not damage the module.

Specifications

- Width: 2 HP
- Depth: 27mm
- +12V: 10mA
- -12V: 6mA

[2]f | [2]ɛf | noun (utility) becuse two is one and one is none



Key —

- 1. Channel 1 CV Output
- 2. Channel 2 CV Ouput
- 3. Channel 1 Fader
- 4. Channel 2 Fader
- 5. Headers

CV Output: The **CV Outputs** are unipolar positive control voltage outputs for channel 1 and channel 2

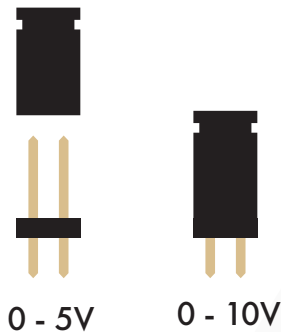
- Output range: 0V - 5V or 0V - 10V (+5% tolerance).

Fader: The **Faders** set the voltage present at the corresponding **CV Output**.

- Moving the **Faders** will continuously change the DC voltage present at the corresponding **CV Output**.

Headers: There are two 1x2 pin headers on the back of the module used to change the voltage range of each channel.

- The top **Header** corresponds to the top channel.
- The bottom **Header** corresponds to the bottom channel.
- If the **Header** is uninstalled, the voltage range of the corresponding channel will be 0V - 5V. If the **Header** is installed, the voltage range of the corresponding channel will be 0V - 10V.



JUMPERS ON BACK

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CE This device meets the requirements of the following standards: EN55032,
EN55103-2, EN61000-3-2, EN61000-3-3, EN62311.