Installation

Ripples requires a **-12V / +12V power supply** (2x5 pin connector). The ribbon cable connector must be aligned so that the red stripe of the ribbon cable (-12V) is on the same side of the module's power header as the "Red stripe" marking on the board.

The power consumption is:
+12V: 35 mA; -12V: 35 mA

Calibration

Adjust the trimmer on the back of the module so that the tone emitted by the filter (when it self-oscillates) tracks a 1V/oct CV sent to the FREQ input.

Online manual and help

The full manual can be found online at mutable-instruments.net/modules/ripples/manual

For help and discussions, head to mutable-instruments.net/forum/

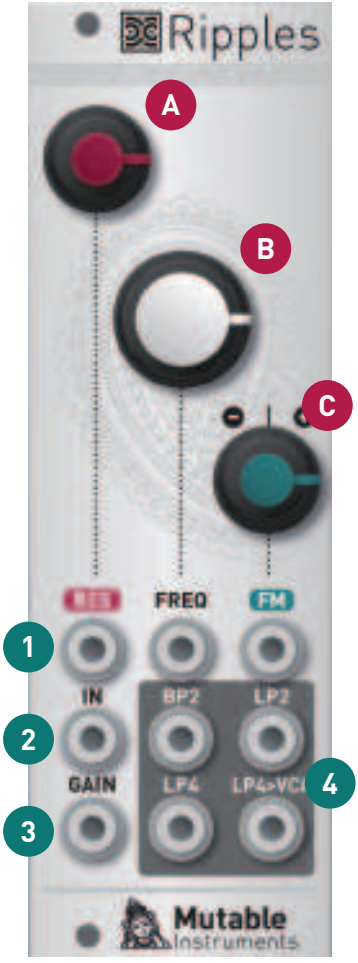


Mutable Instruments

Ripples

Liquid filter





Front panel

Controls

A. Resonance. Ripples can be set to self-oscillate with a high resonance setting.

B. Frequency. The Cutoff frequency of the filter.

C. FM Attenuverter. Adjusts the amount and polarity of frequency modulation from the FM input.

Inputs and Outputs

1. CV inputs for Resonance, Frequency (with 1V/Oct scale) and FM.

2. Audio input.

3. Voltage-controlled **output gain** for the LP4>VCA output.

4. Filter outputs. 2-pole band-pass, 2-pole low-pass, 4-pole low-pass, and 4-pole low-pass with amplitude controlled by input 3.