VOLTIO

USER MANUAL

3FACO

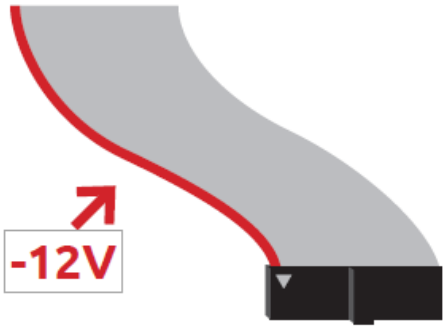
POWERING THE MODULE | THANKS FOR PURCHASING A MODULE FROM BEFACO! BEFORE YOU PLUG THIS MODULE IN...

1. Disconnect your cabinet from the mains.

2. Triple check the power cord polarity. The coloured line on the cable (pin number one) is the -12V rail.

3. If you plug the module backwards you might burn it out and unfortunately this is not covered by the warranty.

4. If you have any questions about this product feel free to contact us support@befaco.org



INTRODUCTION | WHAT IS VOLTIO?

VOLTIO is an accurate Manual Voltage Source.
It is somewhere between a music tool and a piece of electronics lab gear.
It is designed for three main things:

1- Easily adjust your oscillators in known intervals
2- Transpose Musical phrases from sequencers, arpeggiators, or any other notes source
3- Calibrate oscillators and filters on your DIY projects or during analog gear maintenance.

It is Calibrated following the 1Volt/octave Standard to generate voltages that are equivalent to all the notes on the 12-tone equal temperament scale, which is better known as the Chromatic Scale.

Additionally, The Precision Adder IN, lets you Offset the module's OUT (or the module's OUT to let you Offset The IN depend how you wanna see it).

It is an all-analog module and performs best after 30 minutes of warmup.

1. OCTAVE CONTROL

Generate increments of one volt per step while moving clockwise, or decrements of the same voltage while moving counterclockwise.
These 1-volt steps correspond to exactly one octave on a properly calibrated 1V/Oct sound source.

2. RANGE SWITCH

Select the range of the octave switch from only positive (0V to 10 Volts) to Bipolar (-5 to +5 volts)
With the switch at the bottom position the range of the octave knob is Positive, and the Zero volts are located all the way counterclockwise.
With the switch at the Top position, the range of the octave knob is bipolar and the Zero is located at the mid position (12 o clock)

3. SEMITONE CONTROL

Generate increments of 83.3 millivolts per step while moving clockwise, or decrements of the same voltage while moving counterclockwise.
These 83.3 millivolt steps, should correspond to exactly one semitone on a properly calibrated 1V/Oct oscillator.

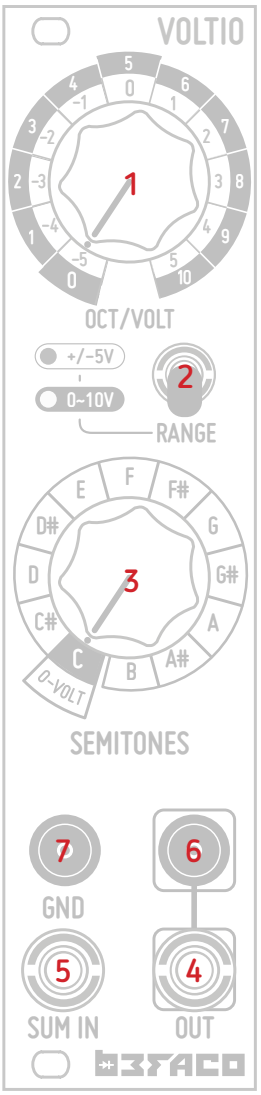
4. MAIN OUT

5. SUM IN

Precision summing input that will add any incoming signal to the voltage produced by the module.
This is useful when you want to Offset the module's out addin CV to it, or to transpose an incoming sequence or arpeggio.

6/7. MULTIMETER PROVE CONNECTORS

2mm Banana connectors for plugging standard multimeter test proves on them.
Useful while using the module as a calibration source for VCOs or other Modules.
6 is a copy of MAIN OUT and 7 is the Ground connection. Both have to be connected for proper Multimeter operation.



MISCELLANEA | SPECS AND CREDITS

Size: 6HP

Deeth: 30 mm

+12v: 35 mA

-12v: 15 mA

Designed with care and love by the Befaco Team.