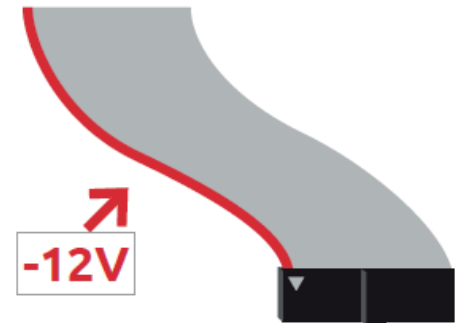


PONY VCF

USER MANUAL

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

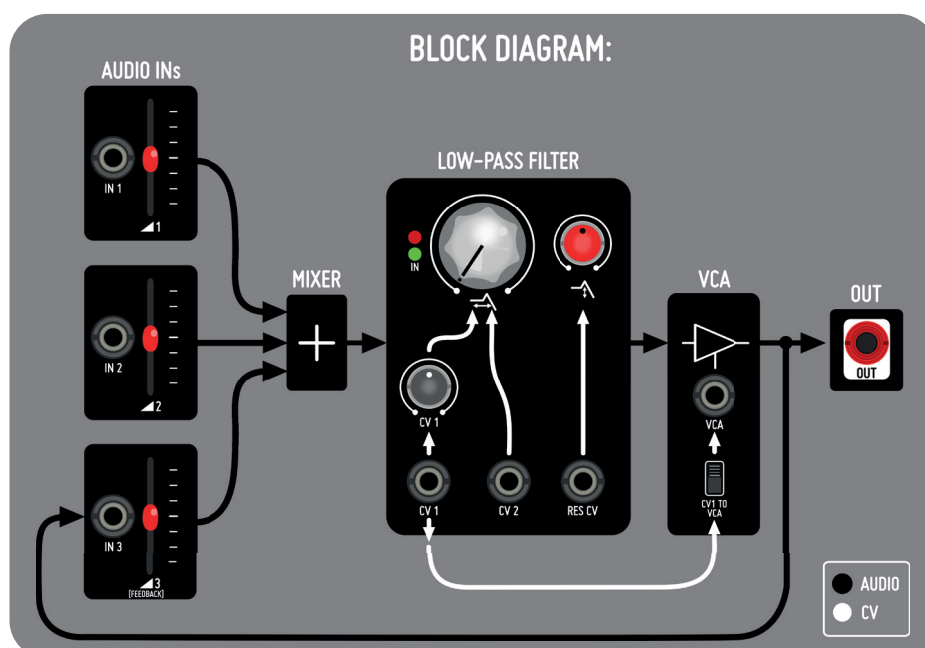
1. Disconnect your cabinet from the mains.
2. Triple check the power cord polarity. The coloured line on the cable (pin number one) is the -12V rail.
3. If you plug the module backwards you might burn it out and unfortunately this is not covered by the warranty.
4. If you have any questions about this product feel free to contact us support@befaco.org



INTRODUCTION | WHAT IS PONY VCF?

Pony Filter is a volume processor and VCF with a very small footprint. A combination of VCF + VCA + Mixer that lets you blend three different sound sources, and shape their tone, and levels. with frequency and Q temperature compensation. The output level is also compensated against resonance so the perceived volume does not fall when rising the Q. The Pony filter has the elegant sound of the classic transistor filter without the associated distortions, due to Dave Rossum's "enhanced ladder" topology which first appeared in the E 2100 voltage-controlled low-pass filter back in the mid-seventies. It is built around the Sound Semiconductor *SSI2144 FATKEYS™* chip.

There are three Audio INs available. Each of them is attenuated by his fader and then mixed. This sum goes to the filter where the signal is processed and sent to the VCA that is located at the end of the chain.



1. MANUAL CUT-OFF CONTROL

2. MANUAL RESONANCE CONTROL

3. CV IN 1 ATTENUATOR

Control the amount of CV that goes from CV1 IN to the Cut-Off.

4. PEAK METER

Green Led indicates the presence of a signal. Red LED indicates saturation at the filter's IN (after the Mixer).

5. AUDIO MIXER VOLUME CONTROLS

Controls the volume of the three audion INs. OUT signal is normalized to IN3 for easy feedback.

6. AUDIO INs

7. CV1.

Controls Cut-Off / VCA Volume.

8. CV2

Controls Cut-Off.

9. RESONANCE CV IN

10. VOLUME CV IN

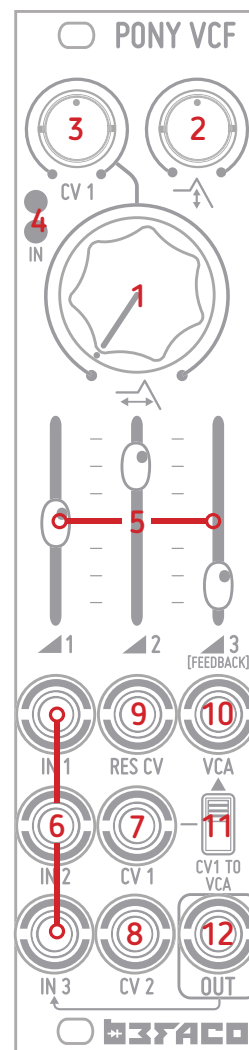
11. CV1 MODE SWITCH

Choose which signal will be sent to the normalization of the Volume CV IN jack [10]. If a jack is plugged into the Volume CV IN it disconnects from the switch so it has no effect.

- On the lower position a copy of CV1 is sent to the Volume CV so the VCA will only pass signal if a voltage is present at CV1.

- On the upper position, 10 volts are sent to the volume CV so the VCA will pass the signal through.

12. AUDIO OUT



MISCELLANEA | SPECS AND CREDITS

Size: 6HP

Depth: 30 mm

+12v: 50 mA

-12v: 45 mA

Designed with care and love by the Befaco Team in Barcelona 2023.