Majella

MVCF-I USER MANUAL

Version 1.0

INTRODUCTION

The MVCF-I is 12dB/oct voltage controlled filter, with lowpass and hi-pass mode. The MVCF-I has voltage controlled resonance and cutoff. There is control over the input gain and the resonance can be driven into self-oscillation.

CONTENT

In the box of the assembled version of the MVCF-I contains the. following

- Assembled and Tested Module
- 16 pin to 16 pin ribbon cable
- Mounting hardware: 4x M3 screws and M3 washers / rack crash protectors

If anything of the above is missing. Please contact your dealer or support@majella-audio.com
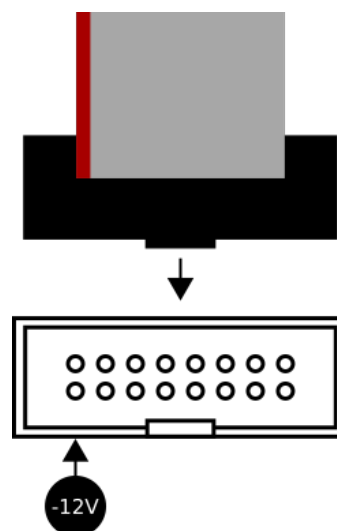
SPECIFICATIONS

- Dimensions: 128.5 x 30 x 45 mm (6HP)
- Doepfer A-100 Eurorack compatible (16 pin power connector)
- Power consumption: +/-12V (15mA)

POWER CONNECTION

This module is designed to be connected to your Eurorack system, using a 16-pin ribbon cable. The -12V (red stripe) should be directed as shown in the picture below.

WARNING!
This module is designed for Eurorack systems. The supply should be +-12V and connected signals should not be out of the +-12V range! Do not reverse polarity when connecting the power, this will damage your module permanently!

OVERVIEW (See figure 1)

CONTROLS

1. CUTOFF

Controls the cutoff frequency from 0Hz to 17kHz.

2. RESONANCE

Controls the resonance amount from 0dB up to self-oscillation from 95% knob turn.

3. CUTOFF AMOUNT

Controls the amount of control voltage that controls the cutoff frequency (see 9).

4. RESONANCE AMOUNT

Controls the amount of control voltage that controls the resonance (see 10).

5. GAIN

Controls the input signal gain.

6. HI-PASS button

Normally the MVCF-I is a lowpass VCF. When this button is pressed the MVCF-I is a hi-pass VCF.

CONNECTIONS

7. INPUT

Audio (VCO) input.

8. OUTPUT

Audio output.

9. CUTOFF

Control voltage input to control cutoff frequency.

10. RESONANCE
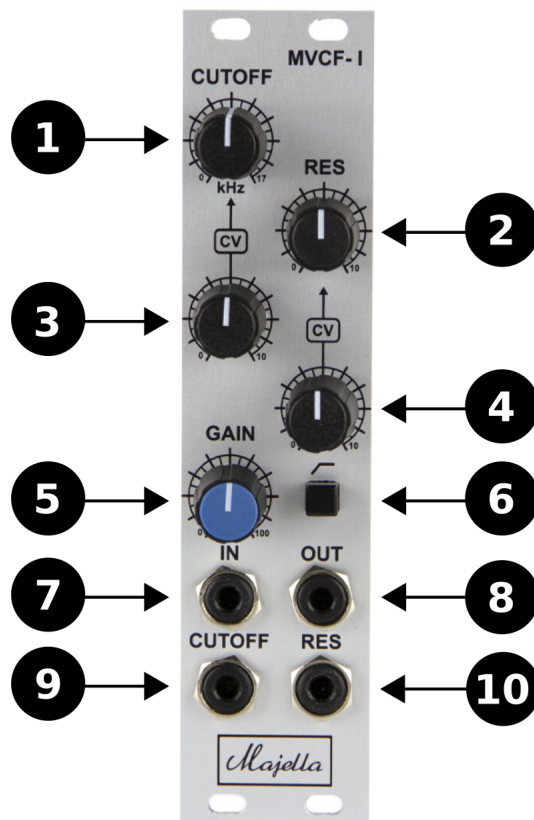
Control voltage input to control resonance amount.

Figure 1: Overview

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https://majella-audio.com
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Designed and made in Holland

Important notice:

- WARNING: This product is not a toy and contains small parts!
- WARNING: This product is not suitable for children within the age of 0-16 years!
- WARNING: This product is not for human/animal consumption!
- WARNING: This product is meant for professional usage only!
- WARNING: This product can be damaged by sharp objects!
- WARNING: This product can be damaged by fluids, do not spill any fluids (e.g. water) over this product!
- WARNING: This product can be damaged when being dropped, used carelessly or used otherwise than described in this manual! This product should be connected and used as described in this document!
- WARNING: This product is not meant to be modified!
- WARNING: This product is meant to be used as a musical instrument and nothing else!

Majella Audio products should be carefully used as musical instruments and as described in this user manual, by professionals. Majella Audio can not be held responsible for any damage to human beings, animals and personal or business belongings/property/things.