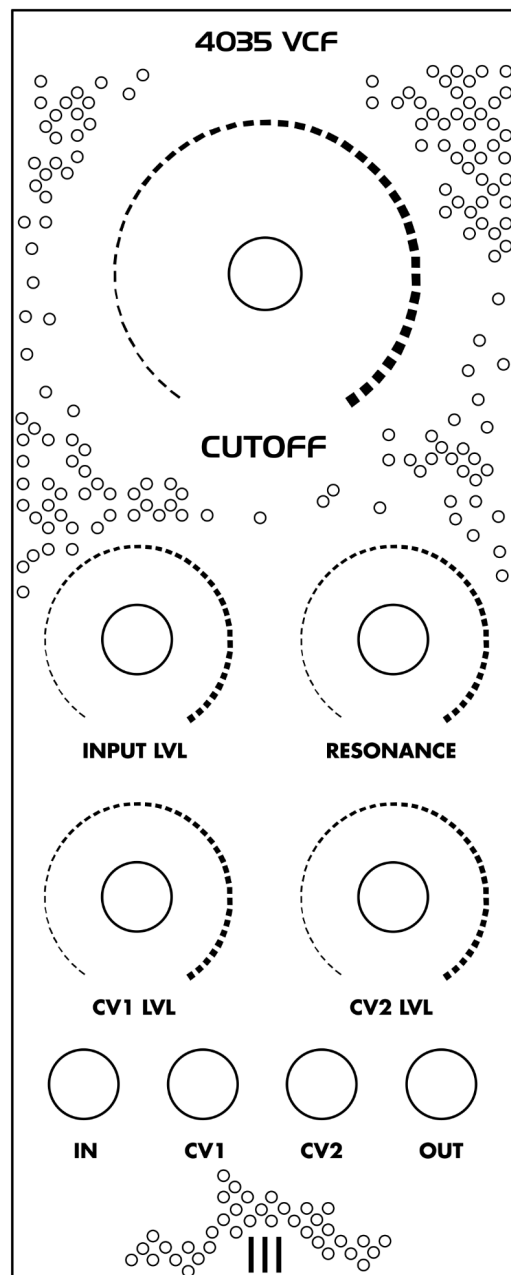# Tre Modular - 4035 VCF User Manual

Thank you for choosing Tre Modular - 4035 VCF Eurorack module!

This guide will walk you through the features, and usage of this module.

Filter:

Tre Modular - 4035 VCF It is a 24dB/octave low pass ladder filter. This is ARP Odyssey MkII filter (4035) Eurorack adaptation. The same design that got ARP in trouble with Moog. The infamous lawsuit filter.

Sound characteristics of this filter are kept as close to original as possible. There are few technical modifications from the original. When resonance is increased filters output does not drop. As it was with the original. Matched transistors are used instead of CA3086. Sound characteristics are kept as close to original as possible.

Specifications:

Module width: 10 HP

Module depth: 25mm

Power Consumption: 14mA at +12V / 13mA at -12V

CV: -5v to +5v

Reversed polarity protection

Controls:

Cutoff: Adjusts the cutoff frequency of the filter.

Resonance: Controls the resonance of the filter, introducing emphasis and character to the selected frequency. Higher resonance settings result in a more pronounced peak at the cutoff frequency.

Input LVL (Input Level): Controls the input level, determining the strength of the incoming signal entering the Replicant VCF.

CV1 (Cutoff CV Level): Controls the level of influence that external voltage control has on the cutoff frequency through CV1 input.

CV2 (Cutoff CV Level): Controls the level of influence that external voltage control has on the cutoff frequency through CV2 input.

Voltage-Controlled Features:

CV1: Voltage control over the filters cutoff.

CV2: Voltage control over the filters cutoff.

Inputs:

IN: Signal input.

Outputs:

OUT: Filters output.

Installation:

Power off your Eurorack system.

Insert the module into an available slot.

Connect the power cable, ensuring correct polarity.

Power on your Eurorack system.

Enjoy!

Additional Information:

For any additional questions or support, please contact Tre Modular at
support@tremodular.com .

Happy patching!